SUBSTITUTION REQUEST
(During the Bidding/Negotiating Stage)

Project: Killeen Community Center

Substitution Request Number:

From: Arizona Courtlines Inc.

To: LS Johnston Architects/ AIA

Date: 8/13/2015

A/E Project Number:

Re: Request for Prior Approval

Contract For:

Specification Title: Gymnasium Equipment

Description: Basketball

Section: 116623 Page: 2

Article/Paragraph: 2.02

Proposed Substitution: Arizona Courtlines Inc.

Manufacturer: ACI Address: Peoria, Az Phone: 623-939-8126

Trade Name: Athletic Equipment Manufacture/ Install Model No.: Various see attached

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Alesia Richey

Signed by: Alesia Richey

Firm: Arizona Courtlines Inc.

Address: 8742 N. 78th ave.
Peoria, Az 85345

Telephone: 623-939-8126

A/E's REVIEW AND ACTION

☒ Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
☐ Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
☐ Substitution rejected - Use specified materials.
☐ Substitution Request received too late - Use specified materials.

Signed by: Tim Johnston Date: 8/17/15

Supporting Data Attached: ☒ Drawings ☒ Product Data ☐ Samples ☐ Tests ☐ Reports ☐ _____

Form Version: January 2013
CSI Form 1.5C

ACI ARIZONA COURTLINES, INC.

PROJECT: Killeen Community Center
ARCHITECT: LS Johnston Architects/ AIA
SECTION: Specification Section 116623- Gymnasium Equipment
MANUFACTURER: Arizona Courtlines, Inc.
SUPPLIER: Arizona Courtlines, Inc.
DATE: 8/13/2015

ACI Model #

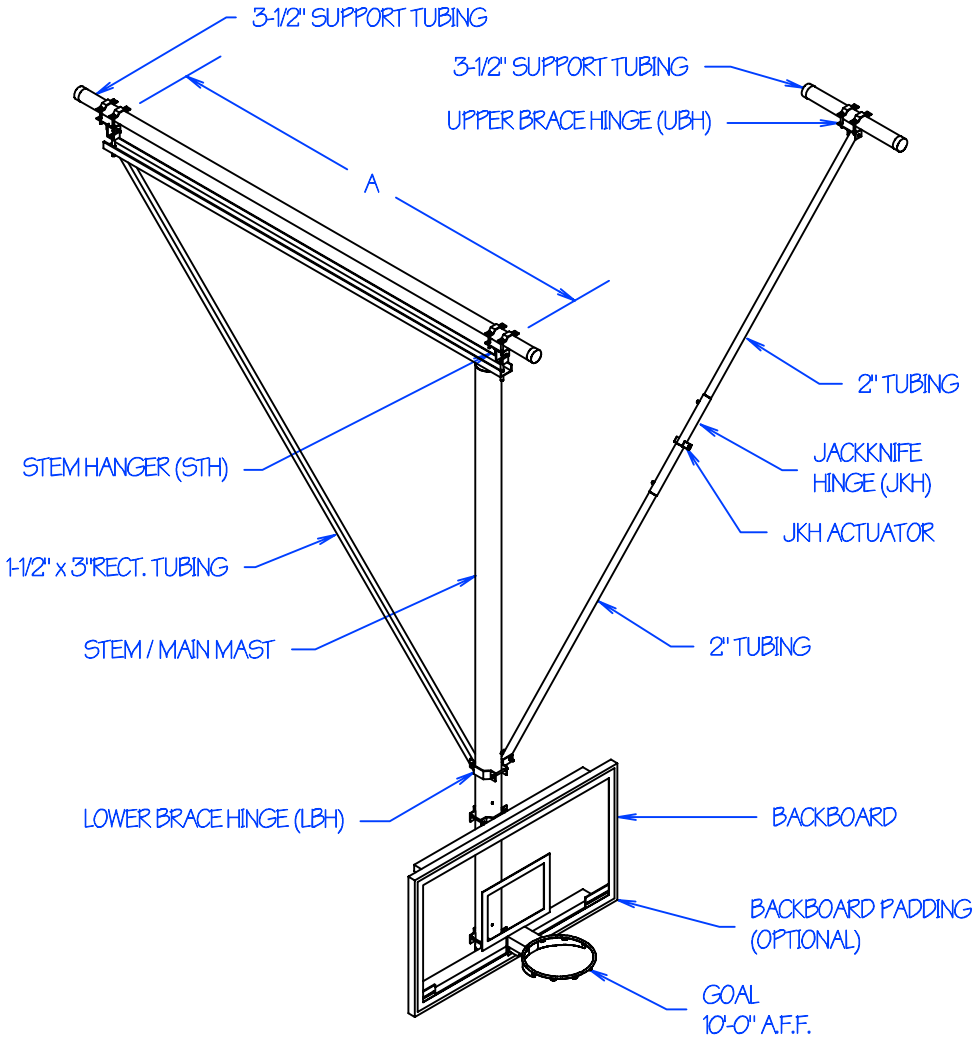
1D-SFRB	Ceiling Hung, Side Fold, Rear Braced Backstop
BBP-B1	Bolt-On Backboard Padding
BA-3	Pro-Strength Collapsible Goal
HGTADJ-M	Manual Height Adjuster
MW-1000	Manual Winch
PL-1000	Safety Strap (40'-0" Belt)

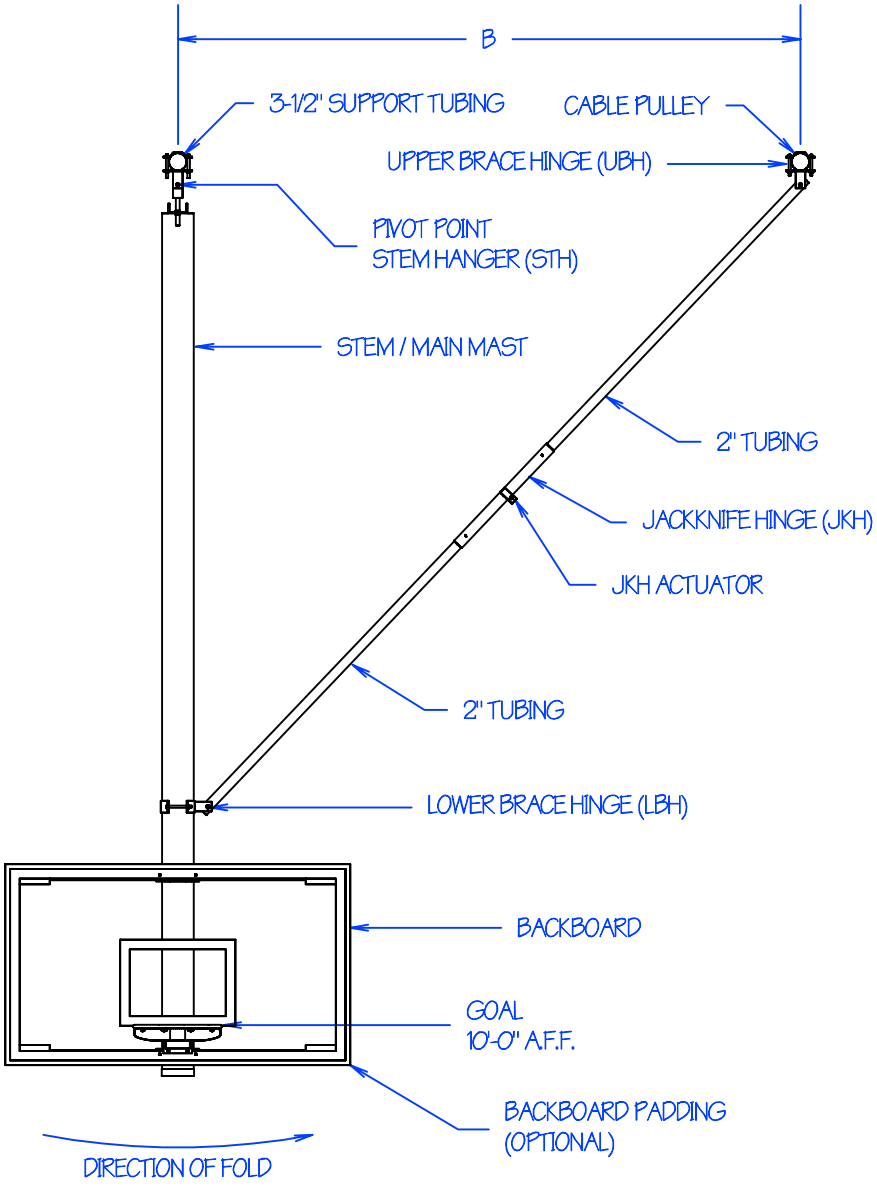
Please see the following drawings and specifications for your review with regard to the Killeen Community Center project. We are a manufacturer of Athletic Equipment materials and have furnished and installed a number of projects in the South with our products over the past several years. If you would like any additional information, references, or projects addresses, please fell free to contact me at (623) 939-8126, or email me as I'd be glad to help. Thank you.

Sincerely,

Alesia Richey

Alesia Richey
Arizona Courtlines, Inc.
alesia@arizonacourtlines.com





TO REQUEST ADDITIONAL INFORMATION (DIMENSIONS, WEIGHT LOADS, ETC.) PLEASE CONTACT ARIZONA COURTLINES, INC. IF SUPPORTS ARE TO BE SUPPLIED BY OTHERS (G.C., CUSTOMER, ETC.) PLEASE CONTACT ACI, SO THAT THE PROPER SUPPORTS CAN BE PROVIDED IN THE PROPER LOCATIONS.

REVISION / STAGE:	MONTH / DAY / YEAR

1D-SFRB

RELATED DRAWINGS / INFORMATION:

1D-SFRB

SINGLE DROP (GRAND CANYON SERIES)
SIDE FOLD - REAR BRACED

ARIZONA COURTLINES, INC.
8742 NORTH 78 TH AVENUE
PEORIA, ARIZONA 85345
PHONE (623) 939 - 8126
FAX (623) 939 - 2526
WWW.ARIZONACOURTLINES.COM

DRAWN BY: EDDIE CAFFERATA

CHECKED BY:

QUANTITY: _____

ARIZONA COURTLINES, INC. SPECIFICATIONS
1D-SFRB (ACI MODEL #)
SINGLE MAST - SIDE FOLD - REAR BRACED

STEM / MAIN MAST
Vertical mast shall consist of 6 5/8” O.D. schedule 20 structural steel tubing, with one welded diagonal rear brace constructed of 1 1/2” x 3” heavy wall square tubing. A heavy-duty 2” x 4" structural steel channel shall be used for the top support. This all welded design provides maximum strength and durability.

BACKBOARD / GOAL SUPPORT
The upper bank extension shall be all-welded to prevent movement and locks in backboard dimension at 6” to comply with official NCAA and NFSHSA regulations. The lower goal to mast bracket eliminates the strain on the backboard.

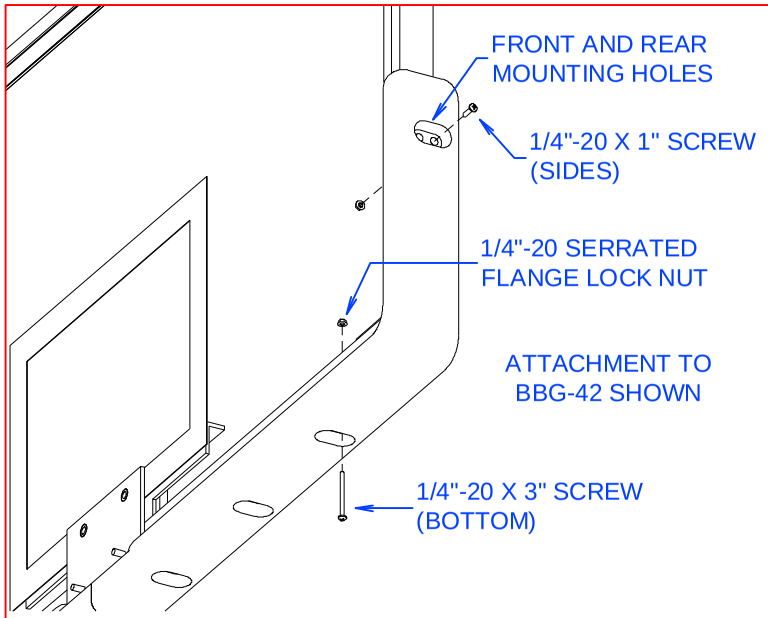
STEM HANGER
The stem hanger shall be fully adjustable to allow precise frame placement and leveling of the main mast. The stem hanger shall also attach to the overhead support with (2) clamps per hanger. The stem hangers shall be offset to allow the counter weight to lock the backstop in playing position.

SIDE BRACING
Side brace shall position backstop plumb and in the precise location. Side brace consist of 2" tubing which folds to the side with an adjustable jackknife assembly when backstop is stored in the horizontal position. Jackknife shall unlock by upward force of hoist cable.

OVERHEAD SUPPORT
3 1/2" tubing shall be used for truss spacing which does not exceed 13'-0". For truss spacing which exceeding 13'-0", 6 5/8" tubing shall be used. Pipes shall be furnished with end caps.

NUTS AND BOLTS
All bolts shall be a minimum 1/2" diameter. All 1/2"diameter bolts shall have a pull out strength of no less then 17,000 lbs. and shall have a shearing strength of no less then 12,100 lbs. All nuts and bolts shall be zinc plated.

BACKSTOP / PARTS FINISH
Backstop and all parts shall be painted one coat black paint. Other colors are available.

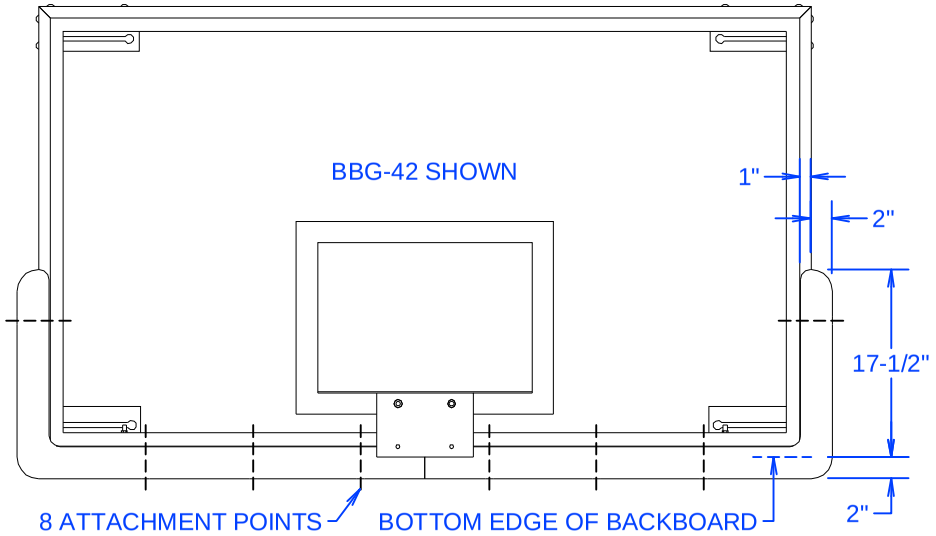


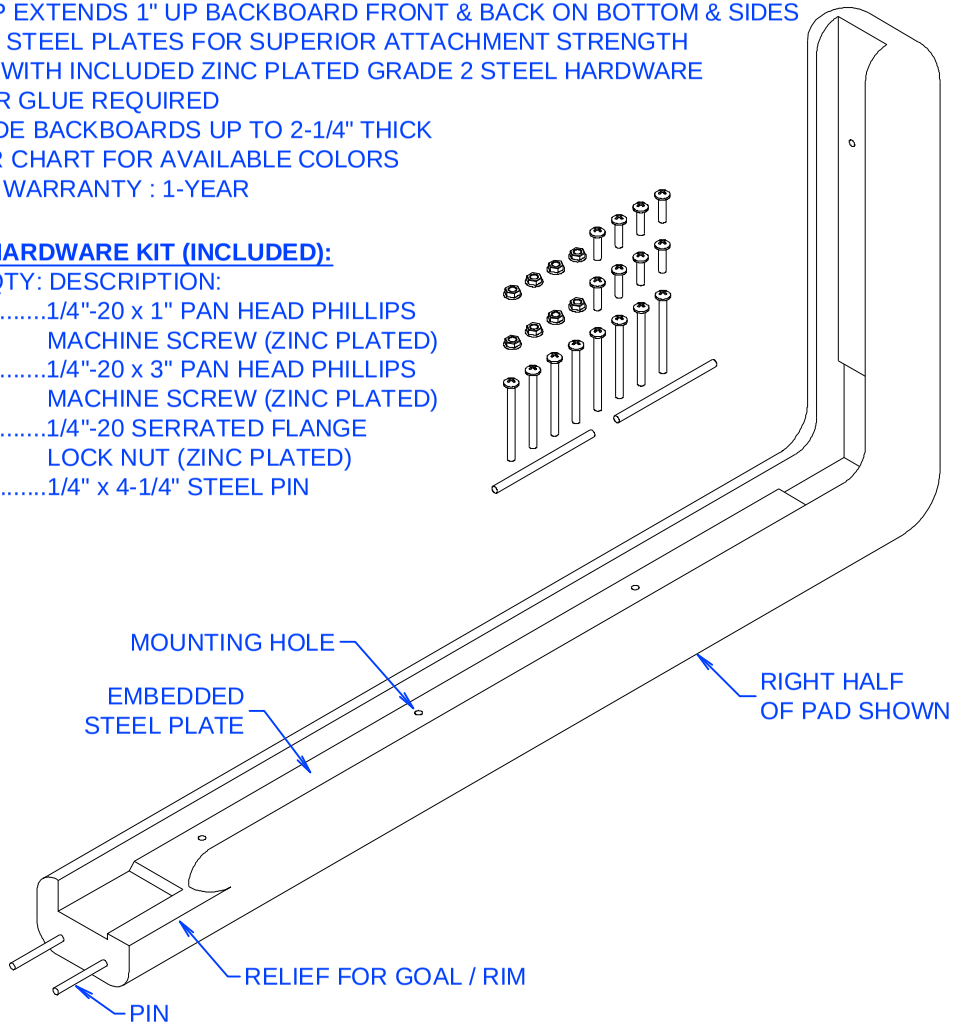
SPECIFICATIONS:

URETHANE FOAM MOLDING PROCESS PRODUCES TOUGH EXTERIOR SKIN
COVERS BOTTOM & 17-1/2" UP EACH SIDE
MEETS OR EXCEEDS NFHSA, NCAA, & PROFESSIONAL REQUIREMENTS
2" THICK FROM BOTTOM & SIDES OF PAD TO BACKBOARD
1" THICK LIP EXTENDS 1" UP BACKBOARD FRONT & BACK ON BOTTOM & SIDES
EMBEDDED STEEL PLATES FOR SUPERIOR ATTACHMENT STRENGTH
ATTACHES WITH INCLUDED ZINC PLATED GRADE 2 STEEL HARDWARE
NO TAPE OR GLUE REQUIRED
FOR 72" WIDE BACKBOARDS UP TO 2-1/4" THICK
SEE COLOR CHART FOR AVAILABLE COLORS
STANDARD WARRANTY : 1-YEAR

HARDWARE KIT (INCLUDED):

QTY: DESCRIPTION:
8.....1/4"-20 x 1" PAN HEAD PHILLIPS
MACHINE SCREW (ZINC PLATED)
8.....1/4"-20 x 3" PAN HEAD PHILLIPS
MACHINE SCREW (ZINC PLATED)
8.....1/4"-20 SERRATED FLANGE
LOCK NUT (ZINC PLATED)
2.....1/4" x 4-1/4" STEEL PIN





REVISION / STAGE:	MONTH / DAY / YEAR

BBP-B1

RELATED DRAWINGS / INFORMATION:

BBP-B1

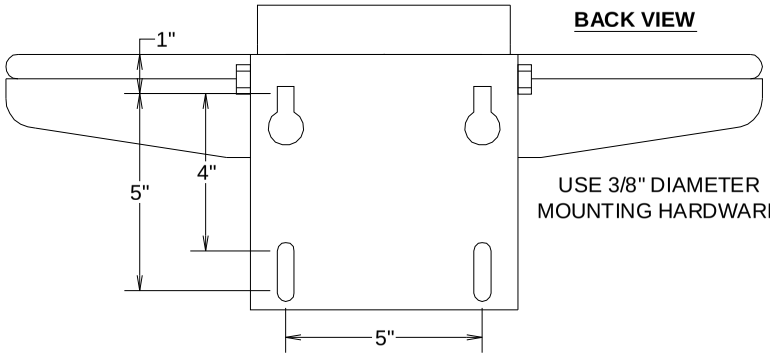
BOLT-ON BACKBOARD PAD
COLOR: _____

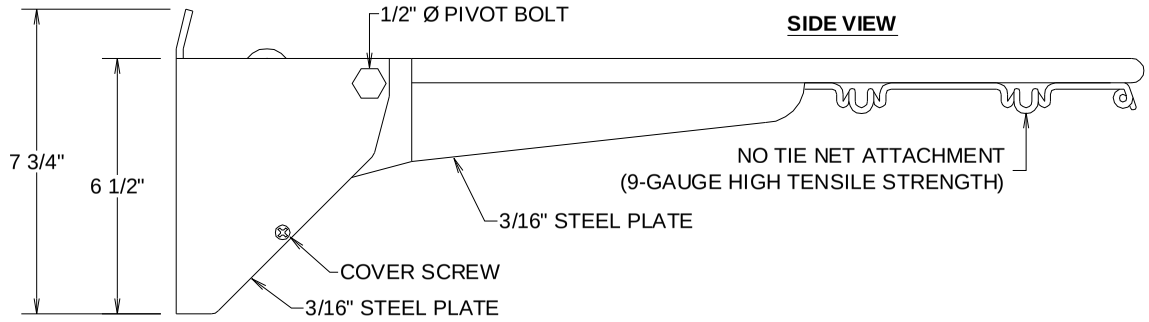
ARIZONA COURTLINES, INC.
8742 NORTH 78TH AVENUE
PEORIA, ARIZONA 85345
TEL. 623.939.8126
FAX. 623.939.2526
www.ARIZONACOURTLINES.com

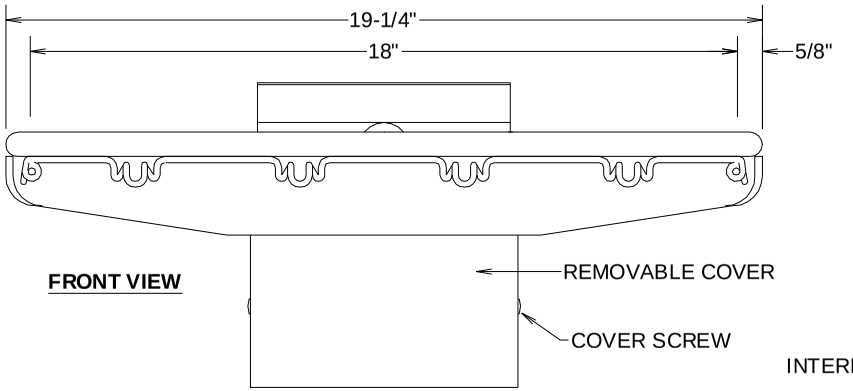
DRAWN BY:
EDDIE CAFFERAT

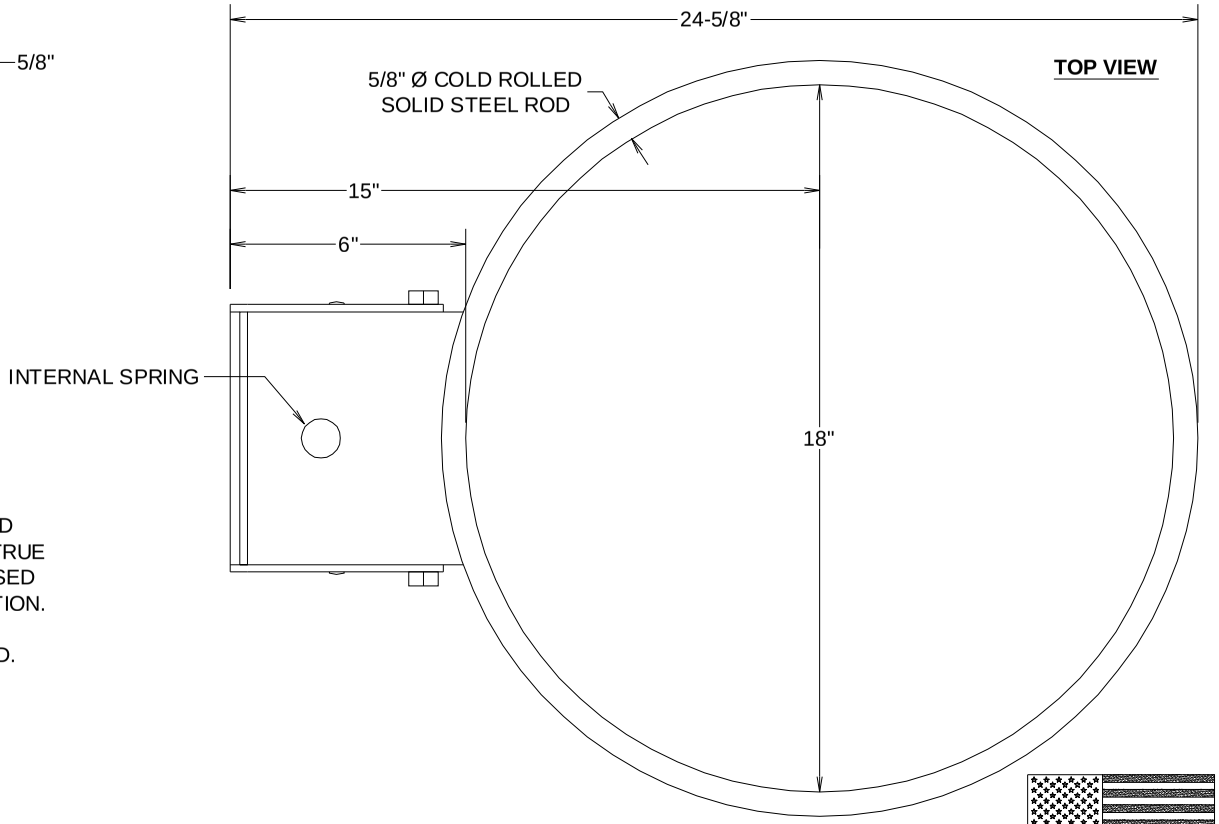
CHECKED BY:

QUANTITY:
_____









WITHSTANDS PRESSURE OF MORE THAN 600 LBS. WITHOUT SUSTAINING PERMANENT BEND OR DAMAGE.

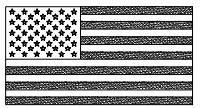
COLLAPSE MECHANISM ABSORBS AND DECELERATES THE FORCE CREATED WHEN A PLAYER HANGS FROM THE RIM, AT THE SAME TIME PROVIDING A TRUE REBOUND SIMILAR TO THAT OF A FIXED GOAL. WHEN PRESSURE IS RELEASED THE INTERNAL RETURN SPRING SNAPS THE RIM BACK INTO PLAYING POSITION. THE MECHANISM IS SELF-CENTERING FOR YEARS OF TROUBLE FREE USE. SPRING TENSION IS FACTORY SET, BUT ADJUSTABLE BY USER IF REQUIRED.

GOAL FINISHED IN OFFICIAL ORANGE POWDER COAT.

INCLUDES STANDARD 3/8"Ø ZINC PLATED MOUNTING HARDWARE AND NET.

FOR USE INDOOR OR OUTDOOR.

1-YEAR WARRANTY.



REVISION / STAGE:	MONTH / DAY / YEAR
BA-3	

RELATED DRAWINGS / INFORMATION:

BA-3

PRO-STRENGTH COLLAPSIBLE GOAL

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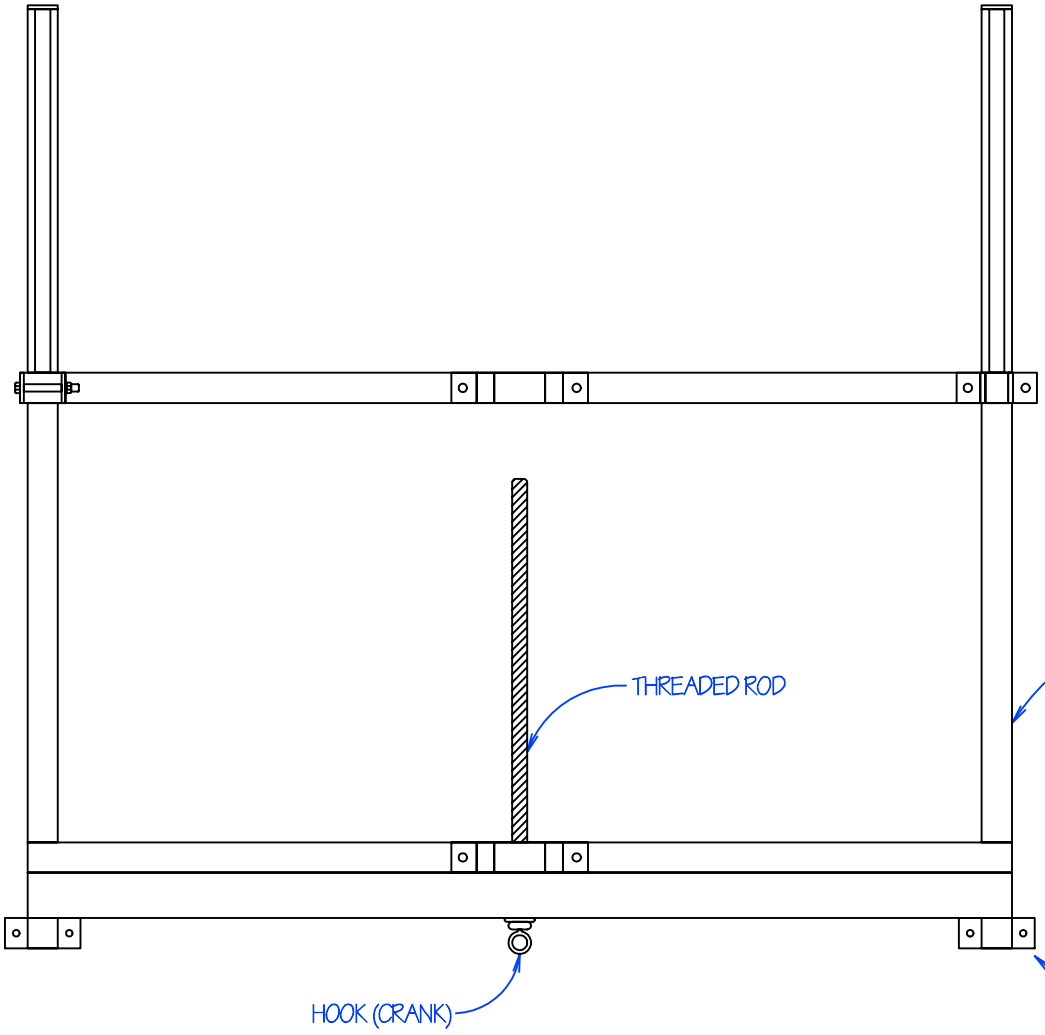
8742 NORTH 78TH AVENUE, PEORIA, ARIZONA 85345
TEL. 623.939.8126 FAX. 623.939.2526
www.ARIZONACOURTLINES.com

DRAWN BY:
EDDIE CAFFERATA

QUANTITY: _____



SPECIFY

BACKBOARD MOUNT HORIZONTAL = _____

BACKBOARD MOUNT VERTICAL = _____

STRUCTURE TYPE = _____

STRUCTURE MOUNT HORIZONTAL = _____

STRUCTURE MOUNT VERTICAL = _____

ALL MEASUREMENTS SHOULD BE CENTER TO CENTER.
STRUCTURE TYPE: WALL MOUNT SIDE FOLD, WALL MOUNT UP FOLD, WALL MOUNT STATIONARY, SINGLE DROP, DOUBLE DROP.

REVISION / STAGE:	MONTH / DAY / YEAR
HGTADJ-M	

RELATED DRAWINGS / INFORMATION:

HGTADJ-M

HEIGHT ADJUSTER (MANUAL)

ARIZONA COURTLINES, INC.
8742 NORTH 78 TH AVENUE
PEORIA, ARIZONA 85345
PHONE (623) 939 - 8126
FAX (623) 939 - 2526
WWW.ARIZONACOURTLINES.COM

DRAWN BY: EDDIE CAFFERATA

CHECKED BY:

QUANTITY: _____

ARIZONA COURTLINES, INC. SPECIFICATION

H G T A D J - M (ACI MODEL #)
MANUAL HEIGHT ADJUSTER

COMPONENTS
Height adjuster is made of 2" x 2" heavy wall steel tubing. The sliding unit is constructed of 1" cold rolled round bar and a 1" Acme fully threaded steel rod, which operates smoothly through a thrust bearing (ball bearing type). Threaded steel rod is lubricated (grease) after manufacturing of the height adjuster. Threaded steel rod should be periodically lubricated.

ADJUSTABLE LEVELS
Height adjuster will stop no lower than 8'-0" and no higher than 10'-0".

CRANK / CRANK OPTIONS
Height adjuster is operated from the floor with a hand crank.

HEAVY-DUTY CAPACITY FOR 1,000 POUND / 453.51 KILOGRAM LOADS

LIGHTWEIGHT UNIT WEIGHS ONLY 19 POUNDS / 8.6 KILOGRAMS

OVERSIZED FLANGES PREVENT THE CABLE FROM CLIMBING DRUM ENDS

EFFICIENT 40:1 WORM GEAR RATIO

PRECISION THRUST BEARINGS PROVIDE SMOOTH OPERATION UNDER LOAD.

MAINTENANCE-FREE GEAR CASE OFFERS A LIFETIME OF LIFTING WITHOUT THE HASSLE.

LOW-PROFILE MOUNT IS OUT OF THE WAY AND SAFELY ABOVE PLAYERS AND SPECTATORS IN YOUR GYM.

INTEGRALLY CAST COMPONENTS ENGINEERED, DESIGNED, AND BUILT FOR HIGH-STRENGTH AND DURABILITY.

CABLE IS ROUTED CLOSE TO THE WALL TO REDUCE STRESS ON WINCH MOUNTS DURING USE. TO ENSURE A LONG AND SAFE CABLE LIFE, A LARGE 4-INCH GROOVED DRUM PREVENTS BUNCHING AND KINKING.

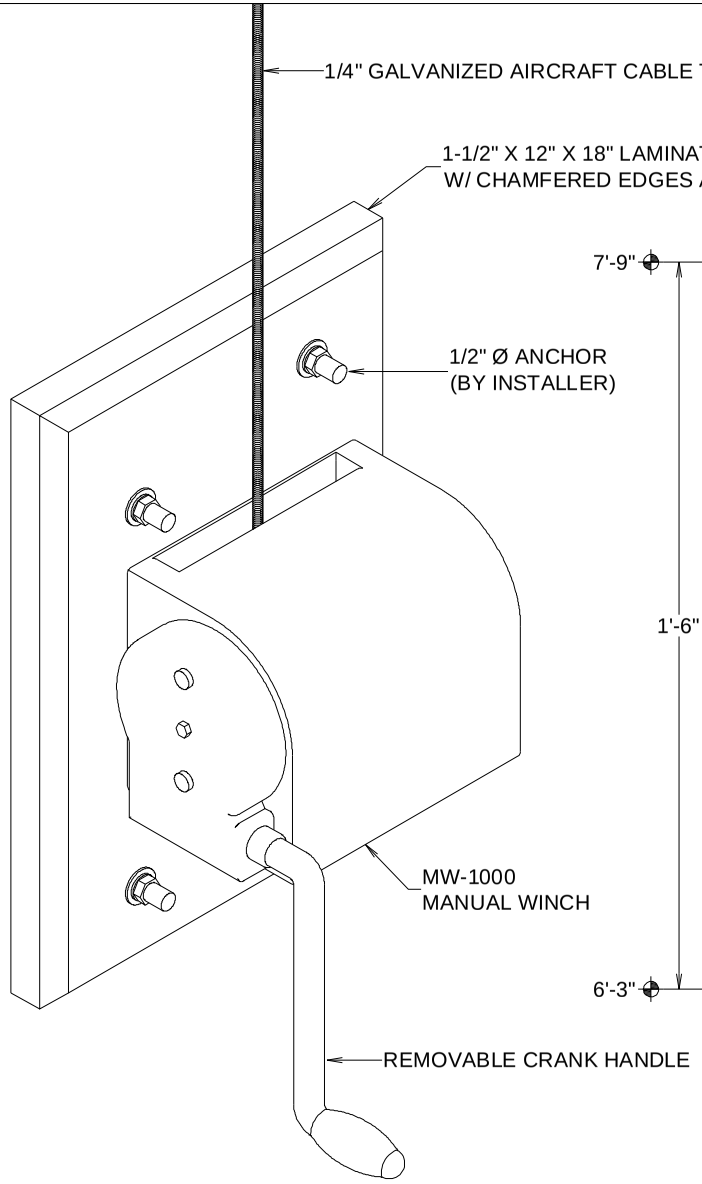
FOR USE WITH 1/4" DIAMETER GALVANIZED AIRCRAFT CABLE (WIRE ROPE), 7 X 19 STRAND WITH 7,000 LB. STRENGTH.

PROVEN DESIGN THAT HAS BEEN IN USE FOR OVER 50 YEARS.

3/4″ SQUARE SOCKET, WHICH PROHIBIT UNAUTHORIZED.

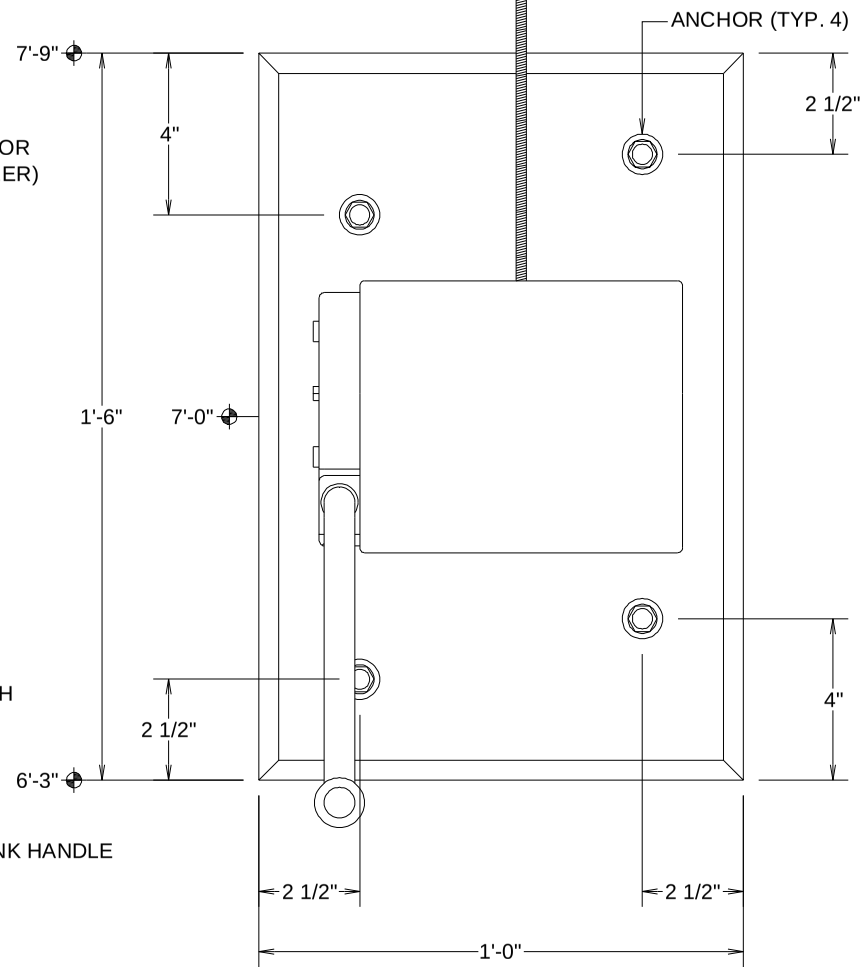
INCLUDES REMOVABLE HAND CRANK.

CAN ALSO BE USED WITH RIGHT ANGLE ELECTRIC DRILL (SPECIAL SOCKET REQUIRED).



TYPICAL ANCHOR LAYOUT AND INSTALL ELEVATION

INSTALLER TO DETERMINE BEST ANCHOR LAYOUT



REVISION / STAGE:	MONTH / DAY / YEAR
MW-1000	

RELATED DRAWINGS / INFORMATION:

MW-1000

MANUAL WINCH

ACI
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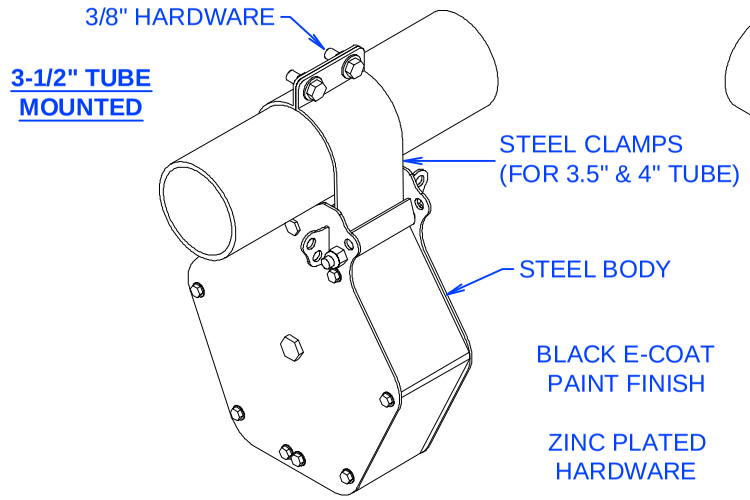
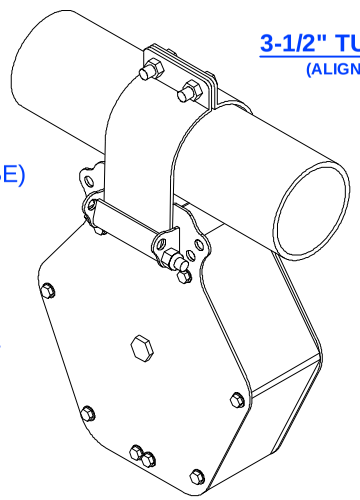
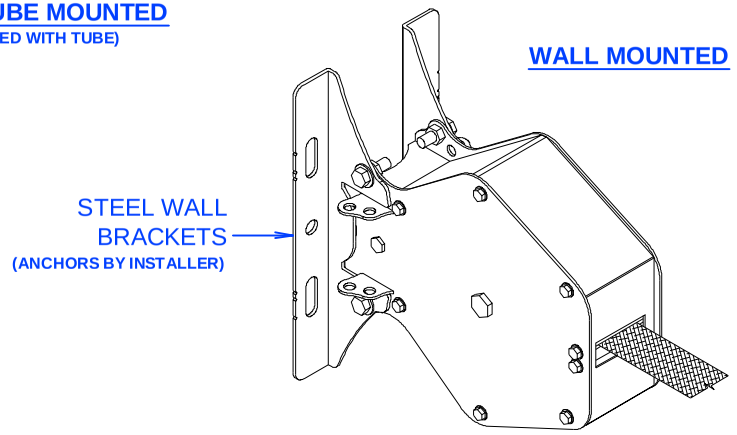
8742 NORTH 78TH AVENUE, PEORIA, ARIZONA 85345
TEL. 623.939.8126 FAX. 623.939.2526
www.ARIZONACOURTLINES.com

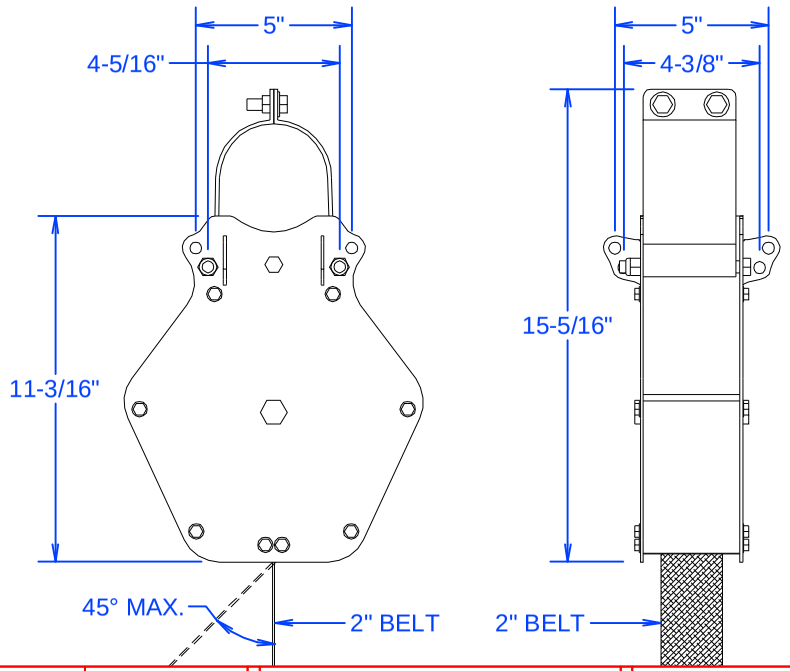
DRAWN BY:
EDDIE CAFFERATA

QUANTITY: _____









MAX. WEIGHT OF SUSPENDED LOAD: 1,000 LBS. THIS IS THE MAX. WEIGHT ALLOWABLE OF THE SUSPENDED OBJECT THAT THE SAFETY STRAP IS PROTECTING. THE SAFETY STRAP IS DESIGNED TO SAFELY ARREST A FALLING OBJECT OF THIS WEIGHT. THE ACTUAL FORCES ON THE STRAP AND SAFETY STRAP DEVICE WILL BE MUCH HIGHER THAN THIS WHEN ITS STOPPING THE FALLING OBJECT AND IT IS DESIGNED TO ABSORB THESE FORCES. FOR BACKSTOPS UP TO 1,800 LBS.

A BRIGHT ORANGE OVERLOAD INDICATOR FLAG WILL BE VISIBLE IF A FREE-FALL HAS BEEN CAUGHT. HAVE UNIT REPLACED IMMEDIATELY.

LOAD TYPE: VERTICALLY SUSPENDED OR PIVOTED LOAD

STRAP BREAKING STRENGTH: 7,300 LBS.

STRAP LENGTH: 40'-0" W/ MAX. EXTENSION INDICATOR

OPERATING PRINCIPLE: FAIL SAFE, SELF-CHECKING MECHANICAL MECHANISM

TRIPPING SPEED-SUDDEN FREE-FALL: 1'-6" PER SECOND

TRIPPING SPEED, SLOPPING OR BACK-DRIVING CONDITION: 1'-6" PER SECOND

RE-SET ACTION: AUTOMATIC ON LIFTING THE LOAD APPROXIMATELY ONE INCH.

WEIGHT: 17 LBS.

REVISION / STAGE:	MONTH / DAY / YEAR

PL1000

RELATED DRAWINGS / INFORMATION:

PL1000

SAFETY STRAP
FOR BASKETBALL BACKSTOPS UP TO 1,800 LBS.

ARIZONA COURTLINES, INC.
8742 NORTH 78TH AVENUE
PEORIA, ARIZONA 85345
TEL. 623.939.8126
FAX. 623.939.2526
www.ARIZONACOURTLINES.com

DRAWN BY: EDDIE CAFFERAT

CHECKED BY:

QUANTITY:

375 Columbia Memorial Parkway
Kemah, TX 77565
P: 281-334-6800 F: 281-535-1959

PRIOR APPROVAL REQUEST

JOB NAME: Killeen Community Center	**JOB LOCATION: Killeen, TX**
ATTN: Linda Johnston	**LS Johnston Architects**
SENT VIA: EMAIL	**lsj@lsjohnston.com**
SECTION(S): 096250 Indoor Athletic Flooring	**COLOR ATTACHMENTS: Yes**

August 17, 2015

LS Johnston Architects
1313 E. 6th St.
Austin, TX 78702

Please find the attached information for:

1. *Mats Inc. Woodflex High Performance Vinyl* Gymnasium & Multipurpose room flooring being submitted for consideration for the flooring specified in Section 096250.

Woodflex High Performance Athletic Vinyl Flooring is provided in 6mm, 6.7mm and 8mm thick rolls that are 6' wide and 49' in length, offering a realistic wood look. We respectfully request the opportunity to have Mats Inc. Woodflex included in Specification Section 096250 for this project via addendum as an approved equal. Manufacturer and color information are attached to this request and samples with a binder have been sent to your offices.

Thank you for your consideration and I look forward to hearing from you.

Sincerely,

Candice Tucker

RFS, Inc.
375 Columbia Memorial Parkway
Kemah, TX 77565
Office: 281-334-6800

Inclusions: Specifications, color selections, Technical Data

Advancement of Construction Technology

SUBSTITUTION REQUEST
(During the Bidding Phase)

Project: Killeen Community Center

Substitution Request Number:

To: Linda Johnston

From: Candice Tucker

Date: 8/17/15

Re: Sec 09625D Indoor Athletic Surfacing

A/E Project Number:

Contract For:

Specification Title: Indoor Athletic Surfacing

Description: resilient athletic flooring

Section: 09625D Page: 24

Article/Paragraph: 2.1

Proposed Substitution: Mats Inc Woodtex

Manufacturer: Mats Inc

Address: 37 Shuman Ave Stoughton, MA 02072

Phone: 800-628-7462

Trade Name:

Model No.:

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Candice Tucker

Signed by: Candice Tucker

Firm: Rubber Flooring Systems

Address: 375 Columbia Memorial Pkwy Kemah TX 77565

Telephone: 281-334-0800

A/E's REVIEW AND ACTION

- [x] Substitution approved - Make submittals in accordance with Specification Section 01330.
- [ ] Substitution approved as noted - Make submittals in accordance with Specification Section 01330.
- [ ] Substitution rejected - Use specified materials.
- [ ] Substitution Request received too late - Use specified materials.

Signed by: Linda Johnston

Date: 8/17/15

Supporting Data Attached: [ ] Drawings [X] Product Data [ ] Samples [ ] Tests [ ] Reports [ ]

WOODFLEX™

FEATURES

Outstanding flooring solution for multipurpose rooms

Realistic wood look with benefits of a synthetic floor; hygienic, antibacterial properties

Low maintenance costs–never needs sanding or refinishing

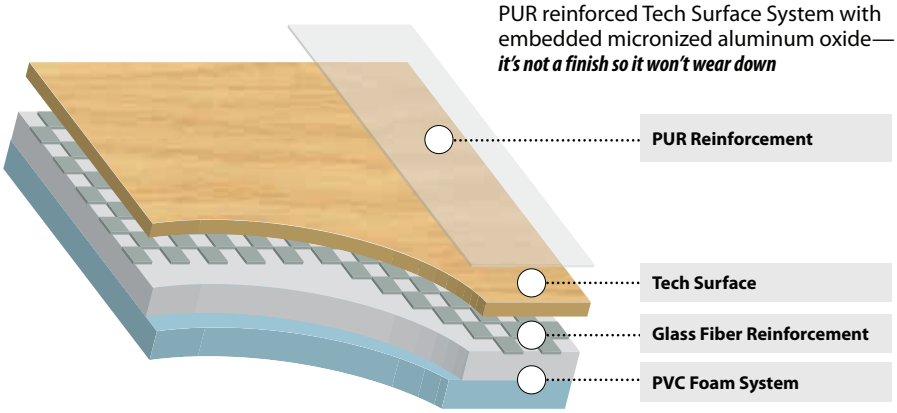
Common Uses

Aerobics/Fitness Studios
Church/Assembly Halls
Dance Studios
Event Flooring
Gymnasiums
Recreation Facilities

QuickShip Q

Elite 6 mm
Supreme 6.7 mm
Extreme 8 mm

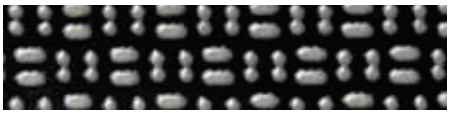
PUR reinforced Tech Surface System with embedded micronized aluminum oxide—
it's not a finish so it won't wear down



1001 Maple
Elite 6 mm
Supreme 6.7 mm
Extreme 8 mm

Underfloor

Creates a floating floor on subfloors with moisture challenges or for installations over existing floors.



WOODFLEX™ SPECIFICATIONS

Material
High Performance Vinyl
Total Thickness
Elite: 6 mm
Supreme: 6.7 mm
Extreme: 8 mm
Top Layer Thickness
1.3 mm
Roll Size
6'7" x 49'2"
Weight
Elite (6 mm): 0.76 lbs/sq ft
Supreme (6.7 mm): 0.84 lbs/sq ft
Extreme (8 mm): 0.88 lbs/sq ft
Shock Absorption
Elite (6 mm): (EN 14808) 25%
Supreme (6.7 mm): (EN 14808) 33%
Extreme (8 mm): (EN 14808) 34%
Standard Deformation
Elite (6 mm): (EN 14809) 0.8 mm
Supreme (6.7 mm): (EN 14809) 0.9 mm
Extreme (8 mm): (EN 14809) 1.2 mm
Ball Rebound
Elite (6 mm): (EN 12235) 98%
Supreme (6.7 mm): (EN 12235) 99%
Extreme (8 mm): (EN 12235) 99%
Rolling Load
(EN 1569) 1500N
Game Lines
Use urethane paints for game line painting
Recycled Content
Elite (6 mm): 4.8% pre-consumer
Supreme (6.7 mm): 4.4% pre-consumer
Extreme (8 mm): 4.3% pre-consumer
Possible LEED Credits
IEQ Credit 4.1 (1 point)
MR Credit 4 (1-2 points)

UNDERFLOOR SPECIFICATIONS

Material
Specifically coated fiberglass reinforced moisture barrier sheet underlay
Roll Size
4'9" x 82'
Weight
0.33 lbs/sq ft
Thickness
1.4 mm (approx. 1/32")
Recycled Content
5.5% pre-consumer
Possible LEED Credits
MR Credit 4 (1-2 Points)

Mats Inc. Installation Instructions for Woodflex™ and Gameflex™

These instructions supersede any verbal or written instructions from Mats Inc. representatives, and must be followed in order for the warranty to be in effect.

1. INTRODUCTION

1.1 WoodflexÊ and GameflexÊ Sheet Vinyl Floor Coverings are multipurpose floor covering products that meet the requirements of ASTM F 1303, *Standard Specification for Sheet Vinyl Floor Covering With Backing*. These products are recommended for indoor use only.

1.2 For installation under portable bleachers or in an area that will experience heavy static loads (over 200 psi), contact Mats Inc. for special instructions.

1.3 WoodflexÊ and GameflexÊ shall be installed by experienced professional installers with a minimum of five years experience installing commercial resilient floor covering products, including proper heat weld seaming techniques.

1.4 Substrate testing and preparation shall follow industry standards (quoted herein in italics) and the following installation guidelines.

1.5 For situations that are not covered in this document, contact Mats Inc. directly.

2. MATERIAL HANDLING AND STORAGE

2.1 Immediately remove floor covering from pallet upon receipt. If packaging is damaged, mark shipping documents as such before signing for the shipment. Contact shipper and/or Mats Inc. to report damage.

2.1.1 Rolls may be shipped flat in a pyramid stack up to four rolls high. Immediately remove rolls from pallet. Store rolls upright. Do not lay flat.

2.1.2 At least 24 hours before installation, unwrap the rolls, keep them upright and unroll slightly to allow material to relax.

2.1.3 If material is flattened, distorted or otherwise damaged during storage or transportation, do not install.

2.2 Protect all materials including, but not limited, to underlayment panels, patching/leveling compounds, floor covering, welding rods, chemical welding liquid, adhesive and maintenance products from extremes of temperature during shipping. Some products must not be allowed to freeze. Store all products in original packaging in areas on the job site where they are to be installed. Areas shall be enclosed and weather tight, at 65°F - 80°F for a minimum of 48 hours prior to commencement of installation.

2.3 Inspection of materials: Great care is taken to properly label and inspect materials for defects at all phases of manufacturing and handling by Mats Inc. However, in the rare case where the wrong product or material with visible defects is shipped, these products shall not be installed. Careful inspection of the product before installing is the responsibility of the installer. Installation of the product denotes acceptance of the product. Mats Inc. will not honor any warranty complaints for materials installed in the wrong color, with visible defects or other damage.

3. SUBSTRATE PREPARATION AND TESTING

3.1 All substrates must be sound, clean, permanently dry, smooth, and free of cracks and contaminants including paint, old adhesive, curing compounds, oil, grease, wax, asphalt, or other contaminants that could affect the adhesive bond. Any irregularities in the substrate will telegraph (show through) to the finished floor.

3.2 Concrete Substrates:

3.2.1 Follow guidelines of ASTM F710 *Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring*.* ASTM F710 includes requirements for moisture testing, smoothness, flatness, concrete strength, and the presence of a vapor retarder beneath the slab.

3.2.2 *The installation of a permanent, effective moisture vapor retarder with a minimum thickness of 0.010 in. and a permeance of 0.1 y, as described in Specification ASTM E 1745 is required*

*under all on or below grade concrete floors. The use of such a moisture vapor retarder, provided its integrity has not been compromised, reduces potential severity of water vapor penetration. Every concrete floor slab on- or below-grade to receive resilient flooring shall have a water vapor retarder (often improperly called a vapor barrier) installed directly below the slab.**

3.2.3 *Joints such as expansion joints, isolation joints, or other moving joints in concrete slabs shall not be filled with patching compound or covered with resilient flooring**

3.2.4 *All concrete slabs shall be tested for moisture, regardless of age or grade level.** The only acceptable test methods are the Calcium Chloride test (ASTM F 1869) and Relative Humidity test (ASTM F 2170). Moisture meters, plastic sheet test or other methods are not acceptable for determining the suitability of concrete slabs to receive resilient floor coverings. It is recommended that testing be conducted by a qualified independent testing agency with experience conducting ASTM F 1869 and F 2170 testing. Test procedures shall be followed exactly in order for test results to be valid. Building shall be at in-service temperature and humidity (minimum 55°F and relative humidity of 35% - 65%), concrete shall be properly cleaned, and the recommended number of tests shall be conducted. See ASTM standards for details.

3.2.5 Test methodology and test results shall be documented and provided to the flooring contractor, general contractor, owner and/or architect.

3.2.6 If concrete moisture conditions are outside the adhesive manufacturerôs limits per section 5, do not commence installation. Allow the concrete to fully dry or apply a 100% solids epoxy Moisture Mitigation System. Although Mats Inc. does not endorse or prefer any manufacturer in particular, we provide the following list of leading Moisture Mitigation System manufacturers for information purposes.

Ardex: 724.203.5000 (www.ardex.com)
Bostik: 978.777.0100 (www.bostik-us.com)
Koster: 757.425.1206 (www.koesterusa.com)
Mapei: 800.426.2734 (www.mapei.us)

3.3 Wood Substrates:

3.3.1 For wood subfloor systems, ensure the subfloor conforms to the guidelines of ASTM F 1482, *Guide to Wood Underlayment Products Available for Use Under Resilient Flooring*. A typical wood subfloor system includes a joist spacing of 16ò on center with a double layer subfloor/underlayment system - minimum one inch thickness.

3.3.2 Wood subfloor systems shall be suspended at least 18ò above the ground. Crawl spaces shall have adequate cross ventilation and a moisture barrier shall be used on the ground to reduce humidity from ground moisture.

3.3.2 Do not install Mats Inc. products over lauan panels, plywood with knots, OSB, hardwood flooring, treated wood (i.e. CCA, fire-rated plywood, or other coated wood), particle board, chipboard, flakeboard, fiberboard, MasoniteÊ , pressboard, or other hardboard underlayment, or other uneven or unstable substrates. To cover unsuitable substrates in a wood subfloor system, use underlayment grade plywood (i.e. arctic birch panels or A/C plywood).

3.3.3 Consult ASTM F 1482 or underlayment manufacturer for recommendations regarding plywood thickness, fastener selection and spacing and conditioning of panels.

3.4 Gypsum Substrates:

3.4.1 Do not install over trowel applied gypsum patching compounds.

3.4.2 Do not use poured gypsum underlayment over concrete slabs on or below grade

3.4.3 Compressive strength: Gypsum underlayment, *for commercial installations, shall provide a minimum of 3000 psi compressive strength after 28 days.** If the finished floor will be in a commercial use, this standard must be followed. Underlayment shall be mixed according to manufacturerôs guidelines.

3.4.4 Drying Time: Manufacturerôs recommended drying time and recommended testing method for dryness shall be followed. Usually a specific moisture meter is recommended by the

manufacturer. The calcium chloride test method is not acceptable for testing gypsum underlayment.

3.4.5 Sealer/primer: After drying and prior to installing adhered floor coverings, Gypsum underlayment shall be sealed/primed per the underlayment manufacturerÕs instructions for covering the underlayment with adhered floor coverings. If the underlayment is not sealed, the surface will be overly porous and the floor covering adhesive will not work correctly.

3.4.6 Patching or ÕskimcoatingÒ over gypsum substrates: There are a number of patching compounds that can be used over gypsum underlayment. Follow compound manufacturerÕs instructions for doing so. It may be necessary to prime the gypsum substrate prior to patching.

3.5 Do not install over existing resilient floor coverings.

3.5.1 Concrete Subfloors: Existing resilient floor coverings and adhesives over concrete shall be removed and the concrete shall be repaired using a cement based patching or leveling compound per manufacturerÕs guidelines. All adhesive residue must be removed prior to installing. Also remove any floor patch below the adhesive layer. DO NOT USE CHEMICAL ADHESIVE REMOVERS. Black asphaltic adhesive can me scraped to a thin, well-bonded residue and encapsulated with an approved patching or leveling compound per manufacturerÕs instructions. All other adhesives (carpet adhesive, VCT adhesive, epoxy, etc) shall be completely removed from concrete substrates.

3.5.2 Wood Subfloors: Existing resilient floor coverings and/or adhesive residue over a wood subfloor system shall be covered with a plywood underlayment per section 3.3.

3.5.3 NOTE: If removal of existing resilient flooring or adhesive is required, follow ÕRecommended Work Practices for Removal of Resilient Floor CoveringsÒ available from the Resilient Floor Covering Institute at 706-882-3833 or www.rfci.com. Also, be aware that existing floors and/or adhesives may contain asbestos or lead. Various federal, state and local government agencies regulate the removal of lead or asbestos containing material. Review and comply with all applicable regulations.

3.6 Other substrates such as terrazzo, stone, ceramic tile, and metal shall be covered with cement based underlayment compound per the manufacturerÕs instructions and ensure compliance with ASTM F 710 for use of these compounds.

3.7 Do not install over non-compatible substrates such as asphalt, any bituminous or asphalt-saturated material, or floor coverings made of (or containing) rubber.

3.8 Radiant Heat: *Most resilient flooring can be installed on radiant heated slabs providing the maximum temperature of the surface of the slab does not exceed 85°F (29°C) under any condition of use.** To allow proper adhesion of the adhesive to the subfloor, the radiant heating system should be lowered, or turned off for at least 48 hours prior to installation of the flooring material. The room temperature must be maintained at a minimum of 65°F prior to, during and after installation for 72 hours after which the temperature of the radiant heating system can be increased. When raising the floor temperature, do so gradually so that the substrate and the flooring material can adapt to the temperature change together. A rapid change could result in bonding problems.

4. SITE CONDITIONS

4.1 Install new floor coverings after all other trades have completed their work.

4.2 Protect areas where floor covering shall be installed from all traffic before, during and after installation.

4.3 Extremes of temperature and humidity can affect floor covering products and can alter the proper cure of patching compounds and adhesives. Building shall be between 65°F and 80°F for 48 hours before installation, during installation and for 48 hours after installation. Thereafter maintain minimum 55°F. Maintain relative humidity of 35% - 65%.

NOTE: If a system other than a permanent HVAC system is utilized, it must provide constant temperature and humidity control at specified levels for the specified time frame.

4.4 Maximize fresh air ventilation by using exhaust fans at point of use. Face fans out of the area where flooring is being installed, not into the area. Never force dry adhesives or patching compounds by using fans.

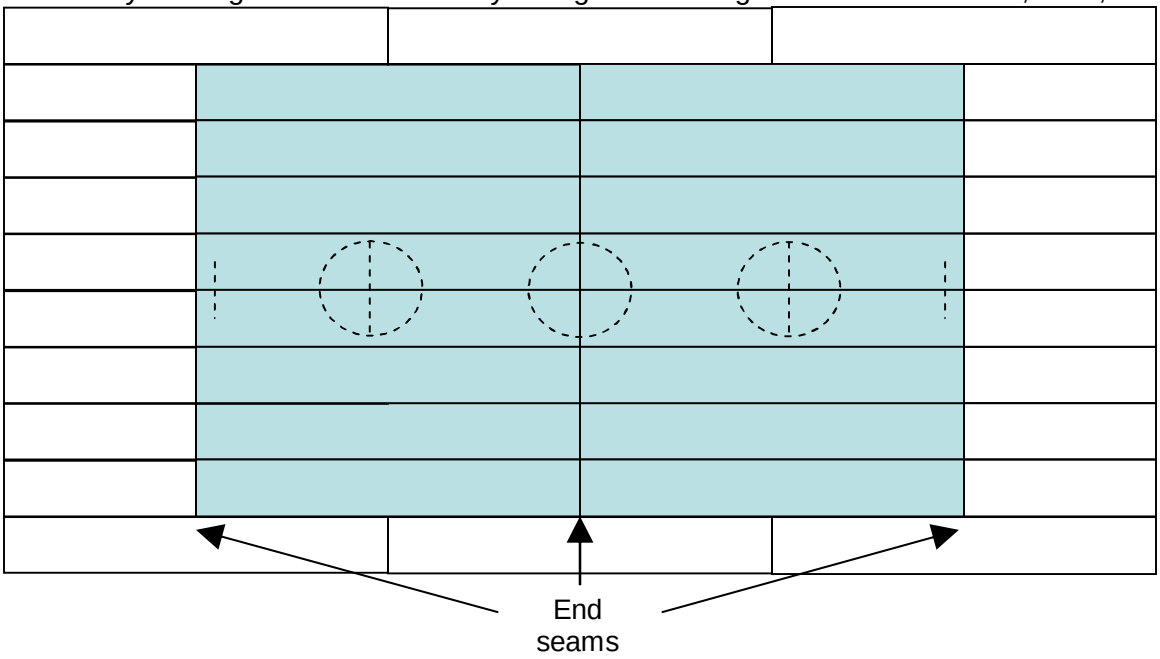
5. ADHESIVES AND ACCESSORIES

5.1 WoodflexÊ and GameflexÊ is adhered using Mats inc. Perma-Bond with 1/16òx 1/16òx 1/16ò square notch trowel. No substitutions. Coverage is approximately160-180 square feet per gallon.
5.2 Concrete test requirements for installations using Mats Inc. Perma-Bond Adhesive:
ASTM F 1869: maximum MVER of 6 lbs/1000 sq ft/24 hrs
ASTM F 2170: internal relative humidity of 82% or less
5.3 Heat welding thread ï see section 6.11.
5.4 Game line paint for sport court floors: Always use aliphatic polyurethane paint for game line painting, such as Endura game line paint (Contact U.S. distributor Can-Am Coatings at 619.937.0430 or visit www.endurapaint.com). Follow manufacturerôs instructions for use.

6. INSTALLATION

6.1 Thoroughly sweep the substrate to remove all dirt and debris.
6.2 At least 24 hours before installing, unroll floor covering face up, allowing for a small space between rolls for material to relax. Always use correct lifting techniques when handling sheet vinyl.
6.3 Prior to laying out the material, measure and mark control lines on the floor in pencil.
6.4 After material has relaxed (see section 2.1.2), cut sheets with approximately four inches excess (2òat each end).
6.5 Layout: The installation layout shall be designed with the goal of keeping seam visibility to a minimum. Position seams so that main traffic runs parallel to (not across) the seam, light does not strike directly across the seam and seams are away from areas subject to pivoting or rolling traffic. In doorway openings connecting adjoining rooms, parallel seams are required. Avoid cross seams when possible.

6.5.1 For sport court installations, place the seams only at the center and end court lines so that the game lines effectively cover the center seams. See Diagram 1 below.
6.5.2 Diagram 1: Layout of WoodflexÊ /GameflexÊ for a basketball court (84ôlong x 50ôwide for elementary and high schools and many colleges. 94òlong x 50ôwide for NCAA, NBA, and FIBA).



6.6 Seam Cutting: The edges shall be trimmed using a straight edge and a sharp knife or an edge trimmer designed to trim the factory edge of sheet vinyl flooring. Do not use factory edges at seams. Sheets shall be fitted and laid precisely next to each other, without any gaps. Do not pressure fit or allow the seams to peak.
6.7 Once the sheets are in position, fold them back to expose the substrate. When installing more than three rolls, it is recommended to tube the rolls (fold them back lengthwise).
6.8 Spread adhesive and allow approximately 20 minutes open time.
Important Note: appropriate open time depends on several factors such as substrate porosity (longer if the substrate is non-porous); room temperature (longer if room is too hot or cold); relative humidity (longer if higher); temperature of the adhesive (longer if cold); and amount of adhesive applied (longer if more used). Never use fans or apply less adhesive than required in an attempt to speed up installation. Use a finger to test the adhesive to see if it has ñlegsò and is moist to the touch before installing the floor covering. If there is no adhesive transfer to a finger, do not set material into adhesive; the adhesive has been open for too long. Remove the adhesive and spread new adhesive.
6.9 After providing sufficient open time for the adhesive, lay the first straight-edged sheet into the adhesive and then lay in the next sheet. CAUTION: Do not allow the edge of the sheets to come in contact with the adhesive and do not allow adhesive to bleed up between the seams. This contamination can affect the seam sealing process. Use a hand roller to roll the seam area.
6.10 Using a 100-lb (45kg), three-section floor roller, roll the entire floor at least twice, once in each direction and occasionally lift the sheet to ensure that the adhesive has transferred completely to the backing. Repeat steps for the remaining floor. Once finished, smooth the entire floor again with the roller.
6.11 Seam Sealing: Seams for WoodflexÊ and GameflexÊ products shall be sealed using the heat weld method at least 24 hours after material has been set in adhesive. WoodflexÊ and GameflexÊ welding rod is 4mm in diameter. Be sure the groover/router and welding gun tip are also 4mm, (using too large a tip can burn the material).

6.11.1 Because site conditions vary, practice steps 6.11.2 through 6.11.5 on scrap material before welding actual floor seam. Test the seam strength by tugging at a length of welding rod. Weld rod should break before pulling away from the flooring.
6.11.2 Groove the seams manually or with an automatic grooving machine to receive the welding rod. Groove depth to the thickness of the clear wear layer, and just through the pattern layer in a centered ñUòshape. A very thin white line will be visible. Maintain a consistent depth in the groove. Keep the groove area clean and dry.
6.11.3 After grooving, weld the seam using a hot air welding gun. The proper procedure for heat welding sheet resilient floor covering is a combination of the proper temperature of the heat welding gun and the speed of application. Temperature will vary depending on conditions on the job site, and speed shall be adjusted accordingly based on the installer. Do not put the tip on the face of the material, as doing so may burn the material.
6.11.4 After the welded seam has cooled, trim the welding rod in three steps. Use a trim plate with a sharp spatula trim knife for the first pass, to release heat in the weld. Wait for welded seam to cool, approximately 30 minutes. Trim weld rod flush with the spatula knife, taking care not to gouge the vinyl surface. Dampening the surface with soapy water will help the spatula knife glide more smoothly. There are also plane tools designed to make the first and final trim cuts at one time, but should only be used after the weld has cooled.
6.11.5 Optional: if desired, ñglazeòthe surface of the finished seam. Remove the tip from the heat welding gun and apply hot air to the surface of the weld. This will darken the weld slightly and increase the gloss, which will make the seam less visible and more stain resistant.

7. CLEAN UP AND FINAL FINISH

7.1 Keep off flooring for 24 hours to prevent indentations while the adhesive sets.

Wait 72 hours before initial cleaning or allowing rolling traffic or furniture on the floor. Initial cleaning shall follow the latest version of the maintenance instructions WoodflexÊ and GameflexÊ , available from www.matsinc.com.
7.2 Maintain the room temperature between 65°F and 80°F for 48 hours after installation. Thereafter, maintain temperature at a minimum of 55°F.
7.3 Check appearance of entire installation. Use a white cloth moistened with water to remove any adhesive on the surface of flooring or walls. A mild solvent such as denatured alcohol may also be used.
7.4 Dust mop or vacuum to remove debris and grit. Do not use a ñbeater barò vacuum.
7.5 If construction is to continue after the floor is installed, wait 24 hours, sweep or vacuum the floor, cover with brown Kraft paper and plywood or hardboard panels.
7.6 Do not roll heavy equipment or furniture directly on top of the floor. Cover floor with brown Kraft paper and plywood or hardboard panels.

8. INITIAL MAINTENANCE
8.1 Sealer/Floor Finish: Certain circumstances may require a sealer/floor finish. Please consult Mats Inc. for details.
8.2 Entrance Matting: Because 90% of all dirt in a building comes in on footwear, Mats Inc. strongly recommends installing and maintaining entrance matting (preferably permanently installed) at all outdoor entrances (20-30 linear feet for major entrances; less for infrequently used entrances). Doing this will improve indoor air quality, reduce flooring maintenance costs, and lengthen the life of your interior floors.
8.3 Furniture: To minimize the chance of damage, proper glides must be used on chairs and other furniture that may side directly across the floor. Chairs shall have glides that are a minimum of 1 inch in diameter. Heavy objects such as equipment, appliances, fixtures and heavy furniture shall not be moved directly across the floor. Using protective boards will reduce the chance of damage in these cases.
8.4 Sunlight: Direct sunlight can damage most interior finishes so proper protection in the form of window coverings is recommended.
8.5 For recurring maintenance, download WoodflexÊ and GameflexÊ maintenance instructions at www.matsinc.com.

*ASTM F 710 *Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring*, ASTM International, West Conshohocken, PA, 2003, www.astm.org.

Mats Inc. Maintenance Instructions

for Woodflex™ and Gameflex™

These instructions supersede any verbal or written instructions from Mats Inc. representatives, and must be followed in order for the warranty to be in effect.

Overall

Preventative maintenance: Because 90% of all dirt in a building comes in on footwear, Mats Inc. strongly recommends installing and maintaining entrance matting (preferably permanently installed) at all outdoor entrances (20-30 linear feet for major entrances; less for infrequently used entrances). Doing this will improve indoor air quality, reduce flooring maintenance costs, and lengthen the life of your interior floors.

Furniture protection: Protect your new floor from damage by furniture by using the proper glides, casters and/or floor protectors. Prevent damage by wheeled furniture, appliances, dollies, pallet jacks and etc by using wheels or casters that are appropriate for the load being carried. When moving very heavy objects across the floor, even if they are on wheels, it is recommended to cover the floor with plywood or hardboard panels to prevent indentations, scratching or other damage to the floor.

Be sure all furniture, appliances, fixtures and equipment are leveled, with protective glides or casters on the bottom. The contact area of the glides or casters should be large enough to distribute the load — the larger the better! Make sure casters or glides are smooth, flat and manufactured of non-staining material.

For chairs, use glides that are a minimum of 1” in diameter to distribute the load across a wider area and minimize the chance of indentations in the floor from heavy loads.
When selecting glides or casters, be sure they are Flat and Smooth! Any protrusions, mold lines, irregularities, roughness or depressions may damage the floor covering. Use casters that are slightly rounded to prevent damage if briefly turned on edge. Maintain glides and casters so they are free of embedded dirt and grit that can scratch the floor and cause premature wear.

NOTE: Since rolling-type casters and certain floor rests on furniture and appliances may damage resilient flooring, any warranty as to their suitability rests with the furniture or appliance manufacturer.

Safety: Always post "Wet floor" and/or "Caution" tape when wet maintenance is going to be performed. Refer to cleaners' MSDS for any Personal Protective Equipment requirements.

***Actions not to take*: DO NOT**

- Use dust mops treated with oils or silicones.
- Scrub floor with hard polyester or hard nylon, steel wool, wire brushes, or abrasive cleaners. These materials can damage the floor and cause undue wear to painted game lines.

Initial Cleaning

1. Sweep and/or dust mop or vacuum (with heavy-duty commercial vacuum) the floor to remove all dirt and grit. **This is the single most important maintenance activity for preserving the floor's appearance and performance – and typically the most overlooked and omitted.** Post "wet floor" signs.
2. Thoroughly scrub floor using the cleaner listed below. Dilute products as recommended on label. Use red scrubbing pad, or equivalent scrub brush, with a 175-rpm swing machine or auto scrubber. **Do not use a green, black, or brown pad.**
   a. Dr. Schutz PU Cleaner
3. Pick up soiled solution with wet/dry vac or auto scrubber.
4. Rinse floor thoroughly and allow to dry completely.

Daily Cleaning

1. Sweep and/or dust mop or vacuum (with heavy-duty commercial vacuum) the floor to remove all dirt and grit. **This is the single most important maintenance activity for preserving the floor's appearance and performance – and typically the most overlooked and omitted.** Post "wet floor" signs.
2. Thoroughly scrub floor using the cleaner listed below. Dilute products as recommended on label. Use red scrubbing pad, or equivalent scrub brush, with a 175-rpm swing machine or auto scrubber. **Do not use a green, black, or brown pad.**
   a. Dr. Schutz PU Cleaner
3. Pick up soiled solution with wet/dry vac or auto scrubber.
4. Rinse floor thoroughly and allow to dry completely.

Deep Cleaning

- Conduct deep cleaning as needed, when your daily cleaning is not meeting your expectations

- Follow the Initial Cleaning instructions, with the exception of step 2, where a blue scrubbing pad (not a red pad) should be used. **Do not use a green, black, or brown pad.**

Mats Inc. Technical Data Woodflex™ and Gameflex™

Product Description

General	Multipurpose floor covering meeting the requirements of ASTM F 1303 *Standard Specification for Sheet Vinyl Floor Covering With Backing.*
Wear layer	Polyurethane reinforced wear layer with aluminum oxide and a permanent anti-microbial treatment.
Backing	Backing and inner layers are closed-cell vinyl foam, reinforced with non-woven fiberglass for dimensional stability.
Roll sizes	6'7" x 49'2"

Technical Specifications

	Test	Requirement	SUPREME	EXTREME
Physical Properties				
Overall thickness			6.7 mm	8.0 mm
Wear layer thickness			1.3 mm	1.3 mm
Weight		In lbs/sq ft	Wood: 0.84; Game: 0.78	Wood: 0.88; Game: 0.86
Safety				
Critical radiant flux	ASTM E648	Class 1: 0.45 w/cm^2 or higher	Class 1	_____
Performance				
Shock absorption	EN 14808	Min. 25% to max. 75%	33%	34%
Sliding resistance	EN 13036	80 – 110	105	105
Ball rebound	EN 12235	Min. 90%	99%	99%
Color fastness	ISO 105B-02	1 = drastic change; 6 = no change	6	6
Rolling load	EN 1569	1,500 N	1,500 N	1,500 N
Durability				
Resistance to wear	EN ISO 5470	< 1,000 milligrams / 1,000 cycles	< 250 mg	< 250 mg
Vertical deformation	EN 14809	Max. 5 mm	0.9 mm	1.2 mm
Chemical resistance	ASTM F925	Best = no change	No change	No change
Dimensional stability	EN 434	Max. 0.2%	0.2%	0.2%
Resistance to indentation	EN 1516	Max. 0.5 mm	0.19 mm	0.46 mm
Static load limit	ASTM F970	min. 175 psi	200 psi	200 psi
LEED				
MR Credit 4	LEED-NC v. 3	For 1 -2 points: $ value of all materials = min. average 10% recycled content	Gameflex: 4.7% (pre-consumer); Woodflex: 4.4% (pre-consumer)	4.3% (pre-consumer)
IEQ Credit 4.1	LEED-NC v. 3	For 1 point: low-emitting adhesive with a VOC of 70 g/L or less for multipurpose adhesive	Perma-Bond VOC: 3 g/L	

Mats Inc. Limited Warranty

For Woodflex™ and Gameflex™

Mats Inc. ("SELLER") warrants that Woodflex and Gameflex floor coverings (the "Product") sold to the first end user ("END USER") will be free of manufacturing defects in materials provided that they are stored, installed, and maintained strictly in accordance with the SELLER's instructions for a period as provided in Section IV of this Limited Warranty.

Receipt and installation of the Product constitutes acceptance of this Limited Warranty and all of its terms, conditions, limitations and disclaimers.

This Limited Warranty applies only to indoor installations sold to the first END USER of the Product and becomes void on the transfer or sale of the Product or the use of the Product by any party other than END USER.

I. Installation and Maintenance Requirements

This Limited Warranty applies only if:

(A) The Product is installed using an installer with a minimum of five years of proven experience in performing work similar to that required for the Product, or an installer who is certified in resilient flooring installation. Acceptable certifications include The International Standards and Training Alliance (INSTALL), The International Certified Floorcovering Installers Association (CFI), and Flooring American University.

(B) The Product is installed and maintained according to the SELLER's instructions furnished to END USER at the time of purchase, including but not limited to preparing any concrete substrates according to ASTM F710 and preparing any wood subfloors according to ASTM F1482.

(C) The Product is not misused or abused, and there is no evidence of mishandling, neglect, modification or repair without the approval of SELLER, or damage done to the product by anyone other than SELLER; and

(D) The Product may require a sealer. Please consult Mats Inc. for details.

II. Method for Obtaining Warranty Service

To obtain a replacement product under this Limited Warranty, END USER must

(A) provide SELLER with a written notice of any alleged defect within the warranty period stated in Section V and ten (10) days of its discovery, and

(B) ship the photographs of the defective product(s) to SELLER, at 37 Shuman Avenue, Stoughton, MA 02072, with mailing or shipping charges prepaid ("Warranty Claim Procedures").

III. Warranty Service Provided

(A) If the Product shall be proved to SELLER's satisfaction to be defective, within the applicable warranty period described below, SELLER's obligations under this Limited Warranty shall be limited to either repairing or replacing the Product, at SELLER's sole discretion, if such defect was caused solely by defective materials. Such repair or replacement shall be SELLER's sole obligation and END USER's exclusive remedy hereunder and shall be conditioned upon END USER's fulfilling its obligations under SELLER's Warranty Claim Procedures.

(B) Pursuant to Subsection (A), SELLER's warranty services will specifically include providing END USER with alternative floor covering of comparable quality to cover the remainder of the warranty period and/or carry out necessary repairs of the Product. This includes material costs only, and does not include labor.

IV. Warranty Period

This Limited Warranty of the Product, and any implied warranties provided to END USER by state law not otherwise excluded or disclaimed in this Limited Warranty, apply for the period stated below, starting from the date of shipment of the Product from SELLER's manufacturing or distribution facilities, including motor drive or other means of transportation.

(A)	Woodflex or Gameflex, 6.7mm and 8.0mm	15 years
(B)	Woodflex or Gameflex 6.0mm	10 years
(C)	Woodflex 4.4mm	7 years

V. Exclusions from Warranty

(A) This Limited Warranty does not apply to outdoor installations.

(B) This Limited Warranty does not apply to Product which has been discontinued or to a particular color or design which has been discontinued, at the time of sale, or to Product sold as seconds or B grade.

(C) The following is not included under this Limited Warranty:

1. Color deviations as compared to physical, printed, and/or electronic representations
2. Damage caused by improper storage and handling prior to installation;
3. Scratches, splinters or marks on the Product unless SELLER is notified as soon as the Product is received by the END USER;
4. Indentation due to high-heeled shoes or due to point loading in excess of the static load limit for the Product as tested by ASTM F970 and in conformance with ASTM F1303 Static Load Resistance requirements for floor covering rated C (Commercial).
5. Damage due to inadequate protective matting at entryways and landings;
6. Excessive wear from presence of sand and/or grit on installed material;
7. Damage caused by furniture used without proper glides, casters and/or floor protectors
8. Damage caused by furniture, appliances, fixtures and equipment that is not properly levelled with appropriate protective glided or casters on the bottom;
9. Damage caused by the use of improper glides on chairs
    i. Glides must be a minimum of 1" in diameter
    ii. Glides must be flat, smooth and slightly rounded;
10. Periodic adjustments and/or shifting not caused by the Product. Such shifting is normally the result of improper installation or use of poor adhesives;
11. Damage caused by excessive moisture or alkali in the concrete slab;
12. Misuse or abuse of the Product by the END USER; and
13. Damage caused by unreasonable use and/or negligence.

VI. Limitations on Warranty

This Limited Warranty is provided by SELLER, and it contains the only express warranty provided to END USER by SELLER. SELLER does not authorize any other person to give any other warranties on SELLER's behalf.

SELLER disclaims any express warranty not provided herein and any implied warranty, guaranty or representation as to performance, quality and absence of hidden defects, and any remedy for breach of contract, which but for this provision, might arise by implication, operation of law, custom of trade or course of dealing, including implied warranties of merchantability and fitness for a particular purpose. SELLER further disclaims any responsibility for losses, expenses, inconveniences, special, indirect, secondary or consequential, incidental, and contingent damages whatsoever, including damages arising from ownership or use of product.

Implied warranties in jurisdictions where they may not be disclaimed shall be in effect only for the duration of the express warranty set forth herein. If END USER has a claim under this Limited Warranty or under any implied warranties provided to END USER by state law, END USER may not file a court action based on that claim any later than one (1) year after END USER's right to file a court action accrues. In those states which do not allow this limitation on the time period for filing a court action, this provision is inapplicable.

VII. Seller's Liability

SELLER's liability with respect to the Product sold to END USER shall be limited to the warranty provided herein. SELLER shall not be subject to any other obligations or liabilities, whether arising out of breach of contract, warranty, tort (including negligence and strict liability) or other theories of law, with respect to products sold or services rendered by seller, or any undertaking, acts or omissions relating thereto.

Without limiting the foregoing, SELLER specifically disclaims any liability for property or personal injury damages, penalties, special or punitive damages, damages for lost profits or revenues, services, down time, shut down or slow down costs, or for any other types of economic loss, and for claims of END USER's customers or any third party for any such damages. **SELLER shall not be liable for and disclaims all consequential, incidental and contingent damages whatsoever.**

VIII. Miscellaneous

Any description of the Product, whether in writing or made orally by SELLER or SELLER's agents, specifications, samples, models, bulletins, drawings, diagrams or similar materials used in connection with END USER's order, are for the sole purpose of identifying the Product and shall not be construed as an express warranty. Any suggestions by SELLER or SELLER's agents regarding use, application, or suitability of the Product shall not be construed as an express warranty unless confirmed in writing by SELLER to be such.

SUBSTITUTION REQUEST

(During the Bidding/Negotiating Stage)

Project: Killeen Community Center Renovation

Substitution Request Number: 1

From: Michael Hunter

To: L.S. Johnston Architects

Date: 8.12.15

Linda Johnston

A/E Project Number: Killeen Community Center

Re: Substitution Request

Contract For: RCS Flooring Services Inc.

Specification Title: Indoor Resilent Athletic Surfacing

Description: Sports Vinyl Flooring

Section: 09 62 50 Page: 2

Article/Paragraph: 2.1

Proposed Substitution: Omnisports

Manufacturer: Tarkett Address: 175 N. Industrial Blvd NE, Calhoun, GA Phone: (888) 364-6541

Trade Name: Model No.:

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Michael Hunter

Signed by: Michael Hunter

Firm: RCS Flooring Services Inc.

Address: 2951 Northern Cross Blvd. Ste 233, Fort Worth, Texas 76137

Telephone: 817.882.0503

A/E's REVIEW AND ACTION

☒ Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
☐ Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
☐ Substitution rejected - Use specified materials.
☐ Substitution Request received too late - Use specified materials.

Signed by: Linda Johnston Date: 8/12/15

Supporting Data Attached: ☐ Drawings ☒ Product Data ☐ Samples ☐ Tests ☐ Reports ☐ _____

SPECIFIED ITEM: Patcraft "Bounce Back"
Section: 09 62 50

PROPOSED
SUBSTITUTION: Tarkett Sports Omnisports 6.5

The Tarkett Group, established in 1886 and now with over $2.5 billion in annual sales, contributes to Tarkett Sports' reputation as the most financially stable and trusted indoor sports surfacing company on the planet. As the global leader in sports, residential and commercial flooring, Tarkett's 28 international production sites allow it to serve its customers in over 100 countries, producing over 10,000,000 square feet of flooring per day, enough to cover 125 football fields!

Omnisports 6.5 is a prefabricated sports surface (6.5mm) that has been created with a wood flooring design and slightly textured embossed surface as supplied by Tarkett Sports. A unique benefit of the Omnisports product line can be found in the consistent top embossing between wood designs and solid colors that promote the simplest of maintenance requirements; varying embossing or surface textures that lead to inconsistent performance and maintenance complications are not accepted. The wood design shall closely resemble a standard wood strip floor in size, color, board length, and grain appearance. The wood design is protected by a clear layer of pure PVC (Polyvinyl Chloride) and Top Clean, a factory applied UV cured urethane treatment. Intermediate layer is fortified with a non-woven fiberglass grid for increased dimensional stability and ultra-indentation resistance. The foam force reduction layer is high-density closed cell PVC foam with honeycomb embossing, and is applied in one continuous manufacturing process. Laminated or adhered foam layers are not allowed.

All Tarkett Sports surfaces are developed, produced and installed with a concentration on sustainability and a commitment to protecting the environment, providing additional LEED contribution opportunities for your project.

- Omnisports is produced in production sites that meet the requirements of the Environmental Management System (ISO 14001)
- Omnisports benefits from environmentally engineered lifecycles designed to maximize use and recyclability
- Omnisports is 100% recyclable
- Omnisports contributes up to 11 LEED credits
- Top clean X-treme Performance surface treatment reduces the use of water, detergent and chemicals and ensures easy and low low-cost cleaning and maintenance.

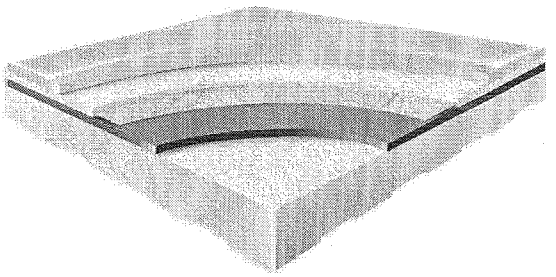
Data Comparison of Omnisports 6.5 and Patcraft Bounce Back
Physical Properties

	Omnisports 6.5	PATCRAFT
Total thickness	**6.5 mm (.256")**	**6.5 mm (.256")**
Width	**6'6"**	**5'10"**
Roll length	**85 ft. up to 98 ft.**	**49.2'**
Weight	**.96 lbs / sq. ft.**	**.85 lbs / sq ft**
Surface treatment	**Top Clean**	**Not publsihed**
Fire Classification ASTM E648	**Class 1**	**EN Class 2**
Shock Absorption ASTM F2772*	**Category 2**	**EN Data**
Vertical Deformation ASTM F2772	**Pass**	**EN Data**
Surface Friction ASTM F2772	**Pass**	**EN Data**
Ball Rebound ASTM F2772	**Pass**	**EN Data**
Static Load ASTM F970 (modified)	**200 p.s.i**	**EN Data**
Asthma & Allergy Certified	**Yes**	**No**
FloorScore Certified	**Yes**	**Yes**
Defect:Wear Warranty	**10:15 years (non prorated)**	**10 year prorated (exclusions include high heels)**
Moisture Tolerance (no slip sheet)	**92% RH**	**90% RH**
Wood Grain:Total Colors	**12:28**	**5:10**

* ASTM F2772 Certificate must be provided to the architect

OMNISPORTS
6.5 mm

Omnisports 6.5 mm is a vinyl multi-use sports floor containing a non-woven fiberglass layer and PVC foam backing. Its slightly textured surface is protected with Top Clean xp®, allowing easy maintenance.



CERTIFIED asthma & allergy friendly

floor score by SCScertified

Warranty Protection

- 10 year product coverage and 15 year wear layer coverage. Refer to sample warranty document for complete coverage details.

Environmental Facts and LEED

- For environmental facts and LEED credits, visit: tarkettsportsindoor.com/en/specs-and-data/environmental-fact-sheets and tarkettsportsindoor.com/en/specs-and-data/leed-information.

Maintenance Instructions

- For a complete maintenance guide, visit: tarkettsportsindoor.com/en/specs-and-data/care-and-maintenance.

Installation Methods

- GreenLay™: perimeter glue installation requiring only 2% of the surface area to be glued with Tarkett's solvent-free Multi-Poxy adhesive (moisture tolerance: 92% RH per ASTM F2170)
- Full Adhesive: full glue installation using Tarkett's solvent-free Multi-Poxy adhesive over the entire surface area (moisture tolerance: 92% RH per ASTM F2170)
- Tarkolay: installation over Tarkolay moisture barrier (moisture tolerance: 98% RH per ASTM F2170)

888.364.6541
tarkettsportsindoor.com

Sports Characteristics

Property	Standard	Value
Surface Finish Effect	ASTM F2772-11	Passed
Force Reduction	ASTM F2772-11	Class 2
Vertical Deformation	ASTM F2772-11	Passed
Ball Rebound	ASTM F2772-11	Passed

Technical Characteristics

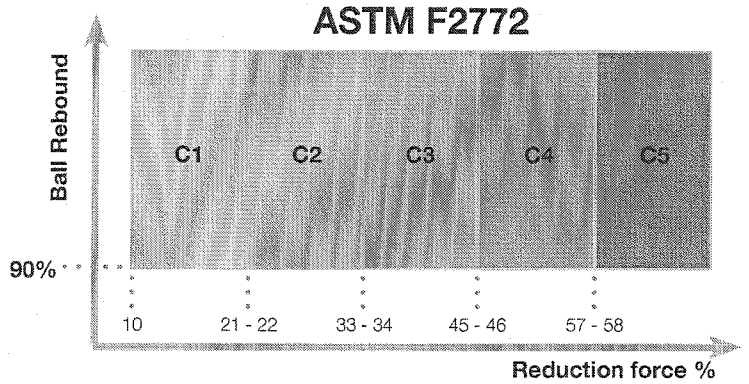
Property	Standard	Value
Reaction to Fire	ASTM E648	Class 1 (Radiant Panel)
Below-Room Sound Insulation	ISO 717/02	+/= 19 dB
In-Room Sound Insulation	NF S31-074	61 dB
Static Load Tolerance	ASTM F970 (modified)	200 psi
Rolling Load	EN 1569	≤ 0.5 mm (No Degradation)
Resistance to Impact	EN 1517	No Degradation
Taber Abrasion	ASTM D3389	0.02 g (1,000 Cycles)
Stain Resistance	ASTM F925	Excellent
Roll Width	EN 426/EN 427	2 m (6.5')
Roll Length	EN 426/EN 427	26 m (85.3')
Thickness	EN 428/EN 429	6.5 mm (0.256")
Weight	EN 430	4.7 kg/m² (0.96 lbs./sq. ft.)
Microbial Resistance	ASTM G21 (backing)	No growth

Compatible substrates include: properly constructed and prepared concrete, wood, asphalt, and cementitious underlayments. Refer to current installation guidelines, ASTM F710, ACI 302.2R, and other industry standard recommendations for more information. Tarkett Sports reserves the right to modify these specifications without affecting their compliance with standards. Some results may vary in relation to certain flexibilities found within specified testing procedures and manufacturing tolerances.

Tarkett Sports

ASTM F2772 - Athletic Performance of Indoor Sport Systems

This article is a summary of the performance criteria for the recently approved (2009) ASTM F2772 Athletic Performance of Indoor Sport Systems standard that is to be promoted in North America. As a true North American indoor sports flooring standard, ASTM F2772 has been designed to define the standards for Force Reduction and Ball Rebound, deemed as two of the most important and culturally relevant biomechanical and mechanical characteristics for North American indoor sports flooring.



Category	Force Reduction Range	Ball Rebound
1	10%-21%	>90%
2	22%-33%	>90%
3	34%-45%	>90%
4	46%-57%	>90%
5	>58%	>90%

Force Reduction

Force reduction (also known as shock absorption) is a biomechanical property used to evaluate a sports surface's ability to reduce impact related forces compared to impacts on concrete. The ASTM F2772 has categorized varying degrees of force reduction in order to clearly define ranges and limits while establishing acceptable indoor sports flooring classes. These categories will encompass all indoor sports flooring products and help to determine appropriate ranges of force reduction for specific sport applications and skill levels. Only after having conducted a thorough technical and cultural evaluation of the indoor sports flooring market did ASTM F2772 create the five unique force reduction categories. ASTM F2772 requires a minimum average of 10% force reduction in order to be classified as an acceptable indoor sports floor with no more than a 5% variance at any point. Testing methods for ASTM F2772 should adhere to ASTM F 2569 – 07 (methods for evaluating the force reduction properties of surfaces for athletic use).

Ball Rebound

Ball rebound (also known as ball bounce) is a mechanical property used to numerically determine if an indoor sports surface is appropriate for basketball based on the responsiveness of a ball and it's interaction with the surface. In order to calculate ball rebound, one must test a ball's rebound height on a sports surface compared to the rebound height of the same ball on concrete. The result is expressed as a percentage. According to the ASTM F2772 standard, the indoor sports surface must provide a minimum average of 90% ball rebound in order to be approved as an acceptable indoor sports floor with no more than a 3% variance at any point.

Reasoning for ASTM F2772

For years indoor sports floors were being built according to standards set forth by European or German committees. These previous standards were culturally and socio-economically biased as they failed to integrate the international needs and opinions of the indoor sports flooring community. The extended periods of time previously required to introduce a standard were also under scrutiny. The experienced delays were attributed to the committee's inability to reach a consensus on acceptable standards for mechanical and biomechanical properties (the latest version of the EN standard took 17 years to create). In order to create a standard that was more reflective of the needs of North American indoor sports flooring, the ASTM assembled a diverse committee with the intent on creating a new indoor sports flooring standard in a timely manner.

Open and Timely Platform

With committee members representing varying socioeconomic and cultural backgrounds, an open platform was created to reflect the diverse needs and opinions of the indoor sports flooring community. In order to expedite the time between the creation and implementation of a much needed North American standard for indoor sports flooring, the committee decided to first focus on the two most relevant, important and non-disputable properties of an indoor sports floor. Those properties are force reduction and ball rebound.

Repeatability

It is no secrete that a disconnect exists between laboratory and field testing of mechanical and biomechanical properties. Results that were obtained under ideal conditions in the laboratory are often not replicated in the field. In selecting to incorporate force reduction and ball rebound, ASTM F2772 focuses on two of the most commonly repeated properties experienced in a laboratory and field setting. As a result, end users and facility owners can seek comfort in knowing that the performance of their indoor sports floor truly conforms to the standard. In order assure consistency of the standard in practice, it is important for facility owners and architects to request an ASTM F2772 certificate, issued by a 3rd party ASTM registered testing agency.

Consistency

While requirements for other standards have made distinctions based on surface construction or type, ASTM F2772 views standards and requirements related to athletic performance as absolute. All point elastic or area elastic surfaces will be kept to the same requirements, ensuring consistent athletic performance throughout.

The Future

After having successfully completed an open platform standard for force reduction and ball rebound, the attention now shifts to developing additional relevant mechanical and biomechanical standards for indoor sports flooring in North America. Until that time, it is our recommendation to continue to incorporate EN standards for rolling load and slip resistance as appose to DIN, as EN is a multilateral, living and more widely accepted standard.

Previous Standards Summary

DIN 18032 Part 2 is a standard for indoor sports flooring created by a German standardization body in 1991 that has commonly been used in North America. The standard which was established by and for Germans, covered mechanical and biomechanical properties which included; ball rebound, rolling load behavior, area indentation, force reduction, vertical deflection and slip resistance. The standard differentiated between varying types of indoor sports surfacing and outlined different performance criteria depending on the surface. No guidelines were provided for maximum allowable variances at testing points, only overall system averages were considered.

DIN pre-standard 18032 Part 2 (New DIN) was designed as an improvement to the previous 1991 version of DIN 18032 Part 2 by the same German standardization body in 2001 and has also been adopted in North America. The revised version of the standard integrated additional requirements that called for maximum tolerable variances at particular points and more stringent ranges of acceptability.

EN 14904 is an indoor sports flooring standard developed by the European Union's European Standardization Committee. Approved in 2006, EN 14904 is a replacement of DIN 18032 Part 2 and is used in North America. The standard includes the same properties featured in both versions of DIN 18302Part 2, but groups performance characteristics by technical and safety criteria. Compared to DIN 18032 Part 2, testing requirements for certain EN 14904 properties were designed to promote increased uniformity in the indoor sports system while other properties allowed for a much wider range. EN 14904 had been previously promoted as the approved successor to DIN 18302 Part 2 for various reasons. Due to the diversity of the standardization group, confusion related to multiple versions of DIN and the fact that DIN was to be discontinued, the living EN 14904 standard took precedence.

Tarkett Sports

ASTM F2772
TECHNICAL INFORMATION

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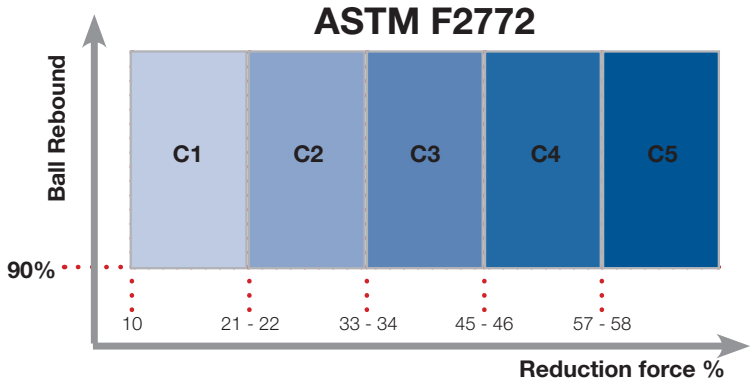

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OMNISPORTS
6.5 mm

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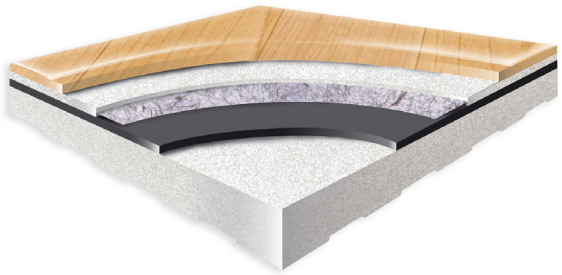

Warranty Protection

- 10 year product coverage and 15 year wear layer coverage. Refer to sample warranty document for complete coverage details.

Environmental Facts and LEED

- For environmental facts and LEED credits, visit: tarkettsportsindoor.com/en/specs-and-data/environmental-fact-sheets and tarkettsportsindoor.com/en/specs-and-data/leed-information.

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- Tarkolay: installation over Tarkolay moisture barrier (moisture tolerance: 98% RH per ASTM F2170)

Sports Characteristics

Property	Standard	Value
Surface Finish Effect	ASTM F2772-11	Passed
Force Reduction	ASTM F2772-11	Class 2
Vertical Deformation	ASTM F2772-11	Passed
Ball Rebound	ASTM F2772-11	Passed

Technical Characteristics

Property	Standard	Value
Reaction to Fire	ASTM E648	Class 1 (Radiant Panel)
Below-Room Sound Insulation	ISO 717/02	+/= 19 dB
In-Room Sound Insulation	NF S31-074	61 dB
Static Load Tolerance	ASTM F970 (modified)	200 psi
Rolling Load	EN 1569	≤ 0.5 mm (No Degradation)
Resistance to Impact	EN 1517	No Degradation
Taber Abrasion	ASTM D3389	0.02 g (1,000 Cycles)
Stain Resistance	ASTM F925	Excellent
Roll Width	EN 426/EN 427	2 m (6.5')
Roll Length	EN 426/EN 427	26 m (85.3')
Thickness	EN 428/EN 429	6.5 mm (0.256")
Weight	EN 430	4.7 kg/m² (0.96 lbs./sq. ft.)
Microbial Resistance	ASTM G21 (backing)	No growth

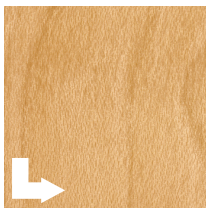
Compatible substrates include: properly constructed and prepared concrete, wood, asphalt, and cementitious underlayments. Refer to current installation guidelines, ASTM F710, ACI 302.2R, and other industry standard recommendations for more information. Tarkett Sports reserves the right to modify these specifications without affecting their compliance with standards. Some results may vary in relation to certain flexibilities found within specified testing procedures and manufacturing tolerances.

888.364.6541
tarkettsportsindoor.com

Available Colors for Omnisports 6.5 mm

Light Maple

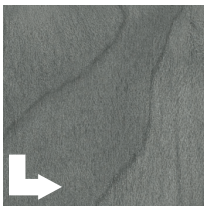

Beech◊


Golden Maple

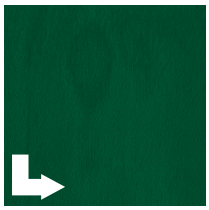

Classic Oak◊


Gunstock Oak◊

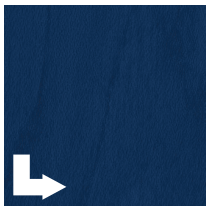

Dark Beech◊

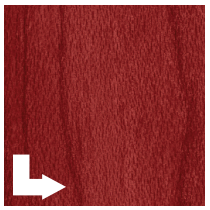

Grey Maple


Mint Green Maple


Green Maple


Sky Blue Maple


Blue Maple


Red Maple


Yellow

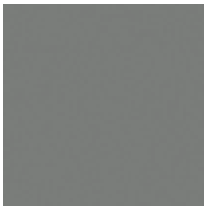

Orange

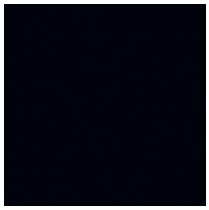

Dark Orange


Purple


Magenta


Red


Grey


Black


Brown


Sky Blue

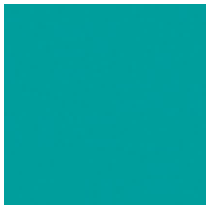

Night Blue


Royal Blue


Forest Green


Mint Green


Light Green


Teal

The colors presented here are representations only. An actual sample is recommended for exact color evaluation and matching.
◊This pattern has a 3" wide plank. Maple patterns have a width of 2 1/4".

Quick Ship

Contact Zoche Inc. at 855.727.0900 for distributor pricing.

patcraft®

R
RESILIENT

Bounce Back

Product Specifications

Style Name	BOUNCE BACK
Style Number	I208V
Construction	Heterogeneous Sheet
Wear Layer Thickness	37 mil or .95 mm (wood) 57 mil or 1.45 mm (solid)
Overall Thickness	6.5 mm
Backing Class	4-ply fused backing system
Installation	Glue Down
Recommended Adhesive	Shaw 4100

Packaging

Roll Size	Length:	49.21' or 15 m long
	Width:	70.86" or 180 cm wide
Weight		249.1 lbs/roll (113 kg/roll)

Performance Testing

Coefficient of Friction / EN 13036-A	Ø 70.6
Specular Gloss / EN ISO 2813	20–25%
Colorfastness / ISO 105 B02	Passes
Resistance to Wear / EN ISO 5470-1	200 mg
Vertical Deformation / EN 14809	0.8 mm
Indentation Resistance / EN 1516	0.13 mm
Resistance to Impact / EN 1517	No damage
Behavior Under a Rolling Load / EN 1569	No damage
Shock Absorption / EN 14808	≥ 25%
Ball Reflection / EN 12235	Ø 97%
Chemical Product Resistance / F 925	Mostly unchanged
FIRE TEST DATA	
Behavior to Fire / EN 13501-1	Class 2 / 2450

patcraft®

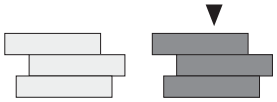
Warranty

10 year commercial limited wear warranty.
Please visit patcraft.com for the most current warranty information.

Environmental

Indoor Air Quality	FloorScore® Certified

Commercial Traffic



SPECIFIED ITEM: Patcraft "Bounce Back"
Section: 09 62 50

PROPOSED
SUBSTITUTION: Tarkett Sports Omnisports 6.5

The Tarkett Group, established in 1886 and now with over $2.5 billion in annual sales, contributes to Tarkett Sports' reputation as the most financially stable and trusted indoor sports surfacing company on the planet. As the global leader in sports, residential and commercial flooring, Tarkett's 28 international production sites allow it to serve its customers in over 100 countries, producing over 10,000,000 square feet of flooring per day, enough to cover 125 football fields!

Omnisports 6.5 is a prefabricated sports surface (6.5mm) that has been created with a wood flooring design and slightly textured embossed surface as supplied by Tarkett Sports. A unique benefit of the Omnisports product line can be found in the consistent top embossing between wood designs and solid colors that promote the simplest of maintenance requirements; varying embossing or surface textures that lead to inconsistent performance and maintenance complications are not accepted. The wood design shall closely resemble a standard wood strip floor in size, color, board length, and grain appearance. The wood design is protected by a clear layer of pure PVC (Polyvinyl Chloride) and Top Clean, a factory applied UV cured urethane treatment. Intermediate layer is fortified with a non-woven fiberglass grid for increased dimensional stability and ultra-indentation resistance. The foam force reduction layer is high-density closed cell PVC foam with honeycomb embossing, and is applied in one continuous manufacturing process. Laminated or adhered foam layers are not allowed.

All Tarkett Sports surfaces are developed, produced and installed with a concentration on sustainability and a commitment to protecting the environment, providing additional LEED contribution opportunities for your project.

- Omnisports is produced in production sites that meet the requirements of the Environmental Management System (ISO 14001)
- Omnisports benefits from environmentally engineered lifecycles designed to maximize use and recyclability
- Omnisports is 100% recyclable
- Omnisports contributes up to 11 LEED credits
- Top clean X-treme Performance surface treatment reduces the use of water, detergent and chemicals and ensures easy and low low-cost cleaning and maintenance.

Data Comparison of Omnisports 6.5 and Patcraft Bounce Back
Physical Properties

	Omnisports 6.5	PATCRAFT
Total thickness	**6.5 mm (.256")**	**6.5 mm (.256")**
Width	**6'6"**	**5'10"**
Roll length	**85 ft. up to 98 ft.**	**49.2'**
Weight	**.96 lbs / sq. ft.**	**.85 lbs / sq ft**
Surface treatment	**Top Clean**	**Not publsihed**
Fire Classification ASTM E648	**Class 1**	**EN Class 2**
Shock Absorption ASTM F2772*	**Category 2**	**EN Data**
Vertical Deformation ASTM F2772	**Pass**	**EN Data**
Surface Friction ASTM F2772	**Pass**	**EN Data**
Ball Rebound ASTM F2772	**Pass**	**EN Data**
Static Load ASTM F970 (modified)	**200 p.s.i**	**EN Data**
Asthma & Allergy Certified	**Yes**	**No**
FloorScore Certified	**Yes**	**Yes**
Defect:Wear Warranty	**10:15 years (non prorated)**	**10 year prorated (exclusions include high heels)**
Moisture Tolerance (no slip sheet)	**92% RH**	**90% RH**
Wood Grain:Total Colors	**12:28**	**5:10**

* ASTM F2772 Certificate must be provided to the architect

ELITE • STORAGE • PRODUCTS
Email: ESP2026@Gmail.com **Website: Elite Storage Products.com**

August 17, 2015

Linda Johnston, AIA
LS Johnston Architects
1313 E 6th St,
Austin, TX 76541-3301
Email: lsj@lsjohnston.com

Re: WEC Metal Lockers Substitution Request
Killeen Community Center

Dear Mrs. Johnston:

We are bidding on the metal lockers on this project. We are licensed and bonded installers with over thirty years of experience with metal lockers. We are very impressed with your work and the inclusion of metal lockers on this project.

We are including a substitution request with this cover letter to add our WEC products as an acknowledged and acceptable substitution on this project for the metal lockers. WEC is the highest standard in metal lockers. Their finely crafted products either meet or exceed the standards for any other manufacturer of lockers in the business, and excellent voc rating and are unrivalled in detail, appearance and durability. WEC lockers also come with a lifetime guarantee (go to itswec.com/).

While customization is always possible, the basic WEC line of lockers includes (with printable .pdf specifications provided):

Durable (Durable Lockers. html);
Athletic (Athletic KD Lockers.pdf);
Competitive (Competitive Lockers.pdf);
Durable Plus (Durable Plus Lockers.pdf); and,
All Welded Plus (All Welded Plus Lockers.pdf).

Further details can be seen on the WEC website at ITSWEC.com or we would be happy to give you a personal demonstration of our product for your personal examination.

Please let us know if there is anything else that we can do on this or any other project.

Sincerely,

Amber Mentel
Elite Storage Products
Project Estimator
Enclosure: Substitution Request

SUBSTITUTION REQUEST FORM

Date: August 19, 2015

Company Submitting Request: Elite Storage Products, LLC

8590 Farmington Blvd, Suite 2 Mail: P.O. Box 517 Collierville, Tennessee 38027.

Contact Name: Amber Mentel Phone: (901) 367-3930

Fax: (901) 367-3931 Email: Esp2026@Gmail.com

Project Name: Killeen Community Center.

Specified Item: 10500 1-4 Penco Defiant.
(Section) (Page(s)) (Description)

The undersigned requests consideration of the following product substitution:

Proposed Substitution: WEC All Welded Plus / WEC Mfg
(Provide Product Name/Model Manufacturer)

1. Attached data includes: _X_ Product Description ____Performance And Test Data
   _____Drawings _X_ Specifications ____Photographs
2. **No** changes will be required to the contract documents for the proper installation of the proposed product substitution.

The undersigned verifies that the following, unless modified by attachments, are correct:

1. The proposed substitution does not affect dimensions shown on the drawings.
2. No changes to the building design, engineering design, or detailing are required by the proposed substitution.
3. The proposed substitution will have no adverse affect on other trades, the construction schedule, or specified warranty requirements.
4. No maintenance is required by the proposed substitution other than that required for the originally specified product.
5. Other:

The undersigned further state that they have read the corresponding specifications section in the project manual and confirms that the function, appearance and quality of the proposed substitutions are equivalent or superior to the originally specified product.

Signed: /S/ Printed Name: Amber Mentel Fax Number: (901) 367-3931

For Architect's Use:

X Accepted ____Accepted As Noted ____Incomplete Information
____Not Accepted ____Received Too Late ____No Substitutions Accepted For This Project/Product

Reviewed By/Date: Tim Johnston 8/19/15

Processed by Addendum No.: 1

Comments: _____

Killeen Community Center

LS Johnston Architects, 1313 E 6th St, Austin TX 78702-3301

METAL LOCKER PRODUCT COMPARISON

	WEC Competitive Series	Penco Invincible II
Top	16	16
Back	18	18
Side	16	16
Bottom	16	16
Door	14	14
Handles 1T, 2T	Recessed, multi-point latch	Recessed, multi-point latch
Handles 6T	Door pull, single point latch	Door pull, single point latch
Lock Compatible	Yes	Yes
ADA Compliancy	1T, 2T - Yes	1T, 2T - Yes
Door Frame	16ga spot welded	16ga spot welded
Ventilation	meets specs	meets specs
Interior Equip.	meets specs	meets specs
Rubber Silencers	meets specs	meets specs
Shelf	16	16
Hinge	16ga continuous	2" 5-knuckle
Fillers	20	20
Zee base	14ga - 2mil galvanealed n/c	14ga - galvanealed
Slope Hoods	18	18
Pedestals	10	10
Bench tops	hardwood, lacquered	hardwood, lacquered
Finish	2.5 mil thick powder coat	1 mil powder coat
Material	cold rolled steel	cold rolled steel
Warranty	Lifetime	1 year
Colors	24	21
Custom Colors	no upcharge	6% upcharge
Size	WxDxH meets spec	WxDxH meets spec
Construction	Welded	Welded
Hardware	rivets	nuts / bolts
Steel Surcharges	0%	12%
Lead time	8-10 weeks assembled	8-10 weeks knocked down

*Yellow Highlights Increased Specifications

Elite Storage Products - ESP "Experience and Execution" 4477 Winchester Road, Suite 101, Memphis, TN 38119 Ph: (901) 367-3930